```
                    GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on:     April 25, 2005, 09:42:53 ; Search time 95 Seconds
                                   (without alignments)
                                   1352.183 Million·cell updates/sec

Title:          US-10-767-341-2
Perfect score:  2035
Sequence:       1 MGDTFIRHIALLGFEKRFVP.........ADLILNRCSESTKRKLASAV 386

Scoring table:  BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched:       1424015 seqs, 332791073 residues

Total number of hits satisfying chosen parameters:          1424015

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
                 Maximum Match 100%
                 Listing first 45 summaries

Database :      Published Applications AA:*
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                2: /cgn2_6/ptodata/2/pubpaa/PCT_NEW_PUB.pep:*
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                9: /cgn2_6/ptodata/2/pubpaa/US09A_PUBCOMB.pep:*
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               13: /cgn2_6/ptodata/2/pubpaa/US10A_PUBCOMB.pep:*
               14: /cgn2_6/ptodata/2/pubpaa/US10B_PUBCOMB.pep:*
               15: /cgn2_6/ptodata/2/pubpaa/US10C_PUBCOMB.pep:*
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               20: /cgn2_6/ptodata/2/pubpaa/US60_PUBCOMB.pep:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the total score of the result being printed,
and is derived by analysis of the total score distribution.
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SUMMARIES

Result No.	Score	% Query Match	Length	DB	ID	Description
1	2035	100.0	386	14	US-10-109-856-2	Sequence 2, Appli
2	2035	100.0	386	16	US-10-767-341-2	Sequence 2, Appli
3	2023	99.4	390	16	US-10-755-889-451	Sequence 451, App
4	2018	99.2	390	14	US-10-109-856-4	Sequence 4, Appli
5	2018	99.2	390	15	US-10-418-036-18	Sequence 18, Appl
6	2018	99.2	390	15	US-10-437-427-6	Sequence 6, Appli
7	2018	99.2	390	16	US-10-767-341-4	Sequence 4, Appli
8	2015	99.0	390	15	US-10-437-427-7	Sequence 7, Appli
9	1696.5	83.4	389	15	US-10-437-427-4	Sequence 4, Appli
10	1689.5	83.0	389	15	US-10-437-427-2	Sequence 2, Appli
11	673	33.1	134	14	US-10-202-724-4	Sequence 1221, Ap
12	593	29.1	141	9	US-09-925-299-1221	Sequence 1221, Ap
13	593	29.1	141	10	US-09-925-299-1221	Sequence 1221, Ap

14	490.5	24.1	1138	15	US-10-161-927-60	Sequence 60, Appl
15	422	20.7	1054	15	US-10-094-749-2576	Sequence 2576, Ap
16	405.5	19.9	215	9	US-09-808-701A-21	Sequence 21, Appl
17	405.5	19.9	215	15	US-10-233-131-21	Sequence 21, Appl
18	405.5	19.9	215	15	US-10-240-145-73	Sequence 73, Appl
19	281	13.8	376	15	US-10-621-113-6	Sequence 6, Appli
20	280	13.8	268	9	US-09-764-868-721	Sequence 721, App
21	278.5	13.7	371	15	US-10-621-113-4	Sequence 4, Appli
22	271.5	13.3	375	15	US-10-621-113-8	Sequence 8, Appli
23	269.5	13.2	204	11	US-09-764-875-874	Sequence 874, App
24	269	13.2	370	15	US-10-621-113-2	Sequence 2, Appli
25	261	12.8	968	15	US-10-291-265-281	Sequence 281, App
26	193.5	9.5	117	15	US-10-240-145-159	Sequence 159, App
27	188	9.2	509	9	US-09-879-957-194	Sequence 194, App
28	188	9.2	509	16	US-10-807-856-194	Sequence 194, App
29	188	9.2	530	9	US-09-764-868-738	Sequence 738, App
30	188	9.2	990	11	US-09-764-875-774	Sequence 774, App
31	188	9.2	1681	15	US-10-398-885A-16	Sequence 16, Appl
32	178	8.7	348	15	US-10-418-036-22	Sequence 22, Appl
33	176.5	8.7	248	9	US-09-879-957-40	Sequence 40, Appl
34	176.5	8.7	248	16	US-10-807-856-40	Sequence 40, Appl
35	174	8.6	41	9	US-09-879-957-72	Sequence 72, Appl
36	174	8.6	41	16	US-10-807-856-72	Sequence 72, Appl
37	172.5	8.5	339	15	US-10-363-616-271	Sequence 271, App
38	172	8.5	326	15	US-10-363-616-272	Sequence 272, App
39	171	8.4	38	9	US-09-879-957-106	Sequence 106, App
40	171	8.4	38	16	US-10-807-856-106	Sequence 106, App
41	166	8.2	1459	16	US-10-408-765A-2246	Sequence 2246, Ap
42	164.5	8.1	491	9	US-09-939-825-21	Sequence 21, Appl
43	164.5	8.1	491	9	US-09-764-868-737	Sequence 737, App
44	164.5	8.1	491	11	US-09-764-875-907	Sequence 907, App
45	164.5	8.1	592	16	US-10-408-765A-2346	Sequence 2346, Ap

ALIGNMENTS

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RESULT 1
US-10-109-856-2
; Sequence 2, Application US/10109856
; Publication No. US20030166185A1
; GENERAL INFORMATION:
;  APPLICANT: SHAO, Wei et al.
;  TITLE OF INVENTION: ISOLATED HUMAN ENZYME PROTEINS, NUCLEIC
;  TITLE OF INVENTION: ACID MOLECULES ENCODING HUMAN ENZYME PROTEINS, AND USES
;  TITLE OF INVENTION: THEREOF
;  FILE REFERENCE: CL001198DIV
;  CURRENT APPLICATION NUMBER: US/10/109,856
;  CURRENT FILING DATE: 2002-04-01
;  PRIOR APPLICATION NUMBER: 09/820,005
;  PRIOR FILING DATE: 2001-03-29
;  NUMBER OF SEQ ID NOS: 4
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 2
;  LENGTH: 386
;  TYPE: PRT
;  ORGANISM: Homo sapien
US-10-109-856-2

  Query Match             100.0%;  Score 2035;  DB 14;  Length 386;
  Best Local Similarity   100.0%;  Pred. No. 2.2e-162;
  Matches  386;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy         1 MGDTFIRHIALLGFEKRFVPSQHYVYMFLVKWQDLSEKVVYRRFTEIYEFHKTLKEMFPI 60
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Qy        61 EAGAINPENRIIPHLPAPKWFDGQRAAENRQGTLTEYCSTLMSLPTKISRCPHLLDFFKV 120
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Db        61 EAGAINPENRIIPHLPAPKWFDGQRAAENRQGTLTEYCSTLMSLPTKISRCPHLLDFFKV 120

Qy       121 RPDDLKLPTDNQTKKPETYLMPKDGKSTATDITGTPIILQTYRAIANYEKTSGSEMALSTG 180
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          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   181 DVVEVEKSESGWWFCQMKAKRGWIPASFLEPLDSPDETEDPEPNYAGEPYVAIKAYTAV 240

Qy   241 EGDEVSLLEGEAVEVIHKLLDGWKDDVTGYFPSMYLQKSGQDVSQAQRQIKRGAPPRRSS 300
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
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Qy   301 IRNAHSIHQRSRKRLSQDAYRRNSVRFLQQRRRQARPGPQSPGSPLEEERQTQRSKPQPA 360
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   301 IRNAHSIHQRSRKRLSQDAYRRNSVRFLQQRRRQARPGPQSPGSPLEEERQTQRSKPQPA 360

Qy   361 VPPRPSADLILNRCSESTKRKLASAV 386
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Db   361 VPPRPSADLILNRCSESTKRKLASAV 386

RESULT 2
US-10-767-341-2
; Sequence 2, Application US/10767341
; Publication No. US20040132084A1
; GENERAL INFORMATION:
;   APPLICANT: SHAO, Wei et al.
;   TITLE OF INVENTION: ISOLATED HUMAN ENZYME PROTEINS, NUCLEIC
;   TITLE OF INVENTION: ACID MOLECULES ENCODING HUMAN ENZYME PROTEINS, AND USES
;   TITLE OF INVENTION: THEREOF
;   FILE REFERENCE: CL001198DIV-II
;   CURRENT APPLICATION NUMBER: US/10/767,341
;   CURRENT FILING DATE: 2004-01-30
;   PRIOR APPLICATION NUMBER: 09/820,005
;   PRIOR FILING DATE: 2001-03-29
;   PRIOR APPLICATION NUMBER: 10/109,856
;   PRIOR FILING DATE: 2002-04-01
;   NUMBER OF SEQ ID NOS: 4
;   SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 2
;   LENGTH: 386
;   TYPE: PRT
;   ORGANISM: Homo sapiens
US-10-767-341-2

Query Match   100.0%;   Score 2035; DB 16; Length 386;
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Qy   61 EAGAINPENRIIPHLPAPKWFDGQRAAENRQGTLTEYCSTLMSLPTKISRCPHLLDFFKV 120
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Db   61 EAGAINPENRIIPHLPAPKWFDGQRAAENRQGTLTEYCSTLMSLPTKISRCPHLLDFFKV 120

Qy   121 RPDDLKLPTDNQTKKPETYLMPKDGKSTATDITGPIILQTYRAIANYEKTSGSEMALSTG 180
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Db   121 RPDDLKLPTDNQTKKPETYLMPKDGKSTATDITGPIILQTYRAIANYEKTSGSEMALSTG 180

Qy   181 DVVEVEKSESGWWFCQMKAKRGWIPASFLEPLDSPDETEDPEPNYAGEPYVAIKAYTAV 240
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   181 DVVEVEKSESGWWFCQMKAKRGWIPASFLEPLDSPDETEDPEPNYAGEPYVAIKAYTAV 240

Qy   241 EGDEVSLLEGEAVEVIHKLLDGWKDDVTGYFPSMYLQKSGQDVSQAQRQIKRGAPPRRSS 300
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   241 EGDEVSLLEGEAVEVIHKLLDGWKDDVTGYFPSMYLQKSGQDVSQAQRQIKRGAPPRRSS 300

Qy   301 IRNAHSIHQRSRKRLSQDAYRRNSVRFLQQRRRQARPGPQSPGSPLEEERQTQRSKPQPA 360
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   301 IRNAHSIHQRSRKRLSQDAYRRNSVRFLQQRRRQARPGPQSPGSPLEEERQTQRSKPQPA 360

Qy   361 VPPRPSADLILNRCSESTKRKLASAV 386
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Db   361 VPPRPSADLILNRCSESTKRKLASAV 386

RESULT 3
US-10-755-889-451
; Sequence 451, Application US/10755889
; Publication No. US20040171823A1
; GENERAL INFORMATION:
;   APPLICANT: Bristol-Myers Squibb Company
;   TITLE OF INVENTION: POLYNUCLEOTIDES AND POLYPEPTIDES ASSOCIATED WITH THE NF-kB
;   TITLE OF INVENTION: PATHWAY
;   FILE REFERENCE: D0284 NP
;   CURRENT APPLICATION NUMBER: US/10/755,889
;   CURRENT FILING DATE: 2004-01-13
;   PRIOR APPLICATION NUMBER: U.S. 60/440,068
;   PRIOR FILING DATE: 2003-01-14
;   PRIOR APPLICATION NUMBER: U.S. 60/469,757
;   PRIOR FILING DATE: 2003-05-12
;   NUMBER OF SEQ ID NOS: 823
;   SOFTWARE: PatentIn version 3.2
; SEQ ID NO 451
;   LENGTH: 390
;   TYPE: PRT
;   ORGANISM: Homo sapiens
US-10-755-889-451

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Qy   297 RRSSIRNAHSIHQRSRKRLSQDAYRRNSVRFLQQRRRQARPGPQSPGSPLEEERQTQRSK 356
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Db   301 RRSSIRNAHSIHQRSRKRLSQDAYRRNSVRFLQQRRRQARPGPQSPGSPLEEERQTQRSK 360

Qy   357 PQPAVPPRPSADLILNRCSESTKRKLASAV 386
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Db   361 PQPAVPPRPSADLILNRCSESTKRKLASAV 390

RESULT 4
US-10-109-856-4
; Sequence 4, Application US/10109856
; Publication No. US20030166185A1
; GENERAL INFORMATION:
;   APPLICANT: SHAO, Wei et al.
;   TITLE OF INVENTION: ISOLATED HUMAN ENZYME PROTEINS, NUCLEIC
;   TITLE OF INVENTION: ACID MOLECULES ENCODING HUMAN ENZYME PROTEINS, AND USES
;   TITLE OF INVENTION: THEREOF
;   FILE REFERENCE: CL001198DIV
;   CURRENT APPLICATION NUMBER: US/10/109,856
;   CURRENT FILING DATE: 2002-04-01
;   PRIOR APPLICATION NUMBER: 09/820,005
;   PRIOR FILING DATE: 2001-03-29

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; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 4
; LENGTH: 390
; TYPE: PRT
; ORGANISM: Homo sapien
US-10-109-856-4

Query Match            99.2%;  Score 2018;  DB 14;  Length 390;
Best Local Similarity  98.7%;  Pred. No. 6e-161;
Matches 385;  Conservative  1;  Mismatches  0;  Indels  4;  Gaps  1;

Qy    1 MGDTFIRHIALLGFEKRFVPSQHYYVMFLVKWQDLSEKVVYRRFTEIYEFHKTLKEMFPI 60
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Qy   61 EAGAINPENRIIPHLPAPKWFDGQRAAENRQGTLTEYCSTLMSLPTKISRCPHLLDFFKV 120
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Qy  121 RPDDLKLPTDNQTKKPETYLMPKDGKSTATDITGPIILQTYRAIANYEKTSGSEMALSTG 180
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Db  121 RPDDLKLPTDNQTKKPETYLMPKDGKSTATDITGPIILQTYRAIADYEKTSGSEMALSTG 180

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Db  301 RRSSIRNAHSIHQRSRKRLSQDAYRRNSVRFLQQRRRQARPGPQSPGSPLEEERQTQRSK 360

Qy  357 PQPAVPPRPSADLILNRCSESTKRKLASAV 386
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Db  361 PQPAVPPRPSADLILNRCSESTKRKLASAV 390


RESULT 5
US-10-418-036-18
; Sequence 18, Application US/10418036
; Publication No. US20030225117A1
; GENERAL INFORMATION:
; APPLICANT: Gronberg, Alvar
; APPLICANT: Wikstrom, Per
; TITLE OF INVENTION: NEW USE
; FILE REFERENCE: 13425-110001
; CURRENT APPLICATION NUMBER: US/10/418,036
; CURRENT FILING DATE: 2003-04-17
; PRIOR APPLICATION NUMBER: SE 0201152-6
; PRIOR FILING DATE: 2002-04-17
; PRIOR APPLICATION NUMBER: US 60/410,626
; PRIOR FILING DATE: 2002-09-13
; NUMBER OF SEQ ID NOS: 27
; SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 18
; LENGTH: 390
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-418-036-18

Query Match            99.2%;  Score 2018;  DB 15;  Length 390;
Best Local Similarity  98.7%;  Pred. No. 6e-161;
Matches 385;  Conservative  1;  Mismatches  0;  Indels  4;  Gaps  1;

Qy    1 MGDTFIRHIALLGFEKRFVPSQHYYVMFLVKWQDLSEKVVYRRFTEIYEFHKTLKEMFPI 60
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Db    1 MGDTFIRHIALLGFEKRFVPSQHYYVMFLVKWQDLSEKVVYRRFTEIYEFHKTLKEMFPI 60

Qy   61 EAGAINPENRIIPHLPAPKWFDGQRAAENRQGTLTEYCSTLMSLPTKISRCPHLLDFFKV 120
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Qy  121 RPDDLKLPTDNQTKKPETYLMPKDGKSTATDITGPIILQTYRAIANYEKTSGSEMALSTG 180
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Qy  181 DVVEVVEKSESGWWFCQMKAKRGWIPASFLEPLDSPDETEDPEPNYAGEPYVAIKAYTAV 240
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Qy  241 EGDEVSLLEGEAVEVIHKLLDGW----KDDVTGYFPSMYLQKSGQDVSQAQRQIKRGAPP 296
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Db  241 EGDEVSLLEGEAVEVIHKLLDGWWVIRKDDVTGYFPSMYLQKSGQDVSQAQRQIKRGAPP 300

Qy  297 RRSSIRNAHSIHQRSRKRLSQDAYRRNSVRFLQQRRRQARPGPQSPGSPLEEERQTQRSK 356
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Db  301 RRSSIRNAHSIHQRSRKRLSQDAYRRNSVRFLQQRRRQARPGPQSPGSPLEEERQTQRSK 360

Qy  357 PQPAVPPRPSADLILNRCSESTKRKLASAV 386
          ||||||||||||||||||||||||||||||
Db  361 PQPAVPPRPSADLILNRCSESTKRKLASAV 390


RESULT 6
US-10-437-427-6
; Sequence 6, Application US/10437427
; Publication No. US2004009901A1
; GENERAL INFORMATION:
; APPLICANT: Rikard Holmdahl
; APPLICANT: Peter Olofsson
; TITLE OF INVENTION: Autoimmune Conditions and NADPH Oxidase
; TITLE OF INVENTION: Defects
; FILE REFERENCE: 11145-024001
; CURRENT APPLICATION NUMBER: US/10/437,427
; CURRENT FILING DATE: 2003-05-13
; PRIOR APPLICATION NUMBER: US 60/380,904
; PRIOR FILING DATE: 2002-05-13
; PRIOR APPLICATION NUMBER: US 60/429,609
; PRIOR FILING DATE: 2002-11-27
; NUMBER OF SEQ ID NOS: 8
; SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 6
; LENGTH: 390
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-437-427-6

Query Match            99.2%;  Score 2018;  DB 15;  Length 390;
Best Local Similarity  98.7%;  Pred. No. 6e-161;
Matches 385;  Conservative  1;  Mismatches  0;  Indels  4;  Gaps  1;

Qy    1 MGDTFIRHIALLGFEKRFVPSQHYYVMFLVKWQDLSEKVVYRRFTEIYEFHKTLKEMFPI 60
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    1 MGDTFIRHIALLGFEKRFVPSQHYYVMFLVKWQDLSEKVVYRRFTEIYEFHKTLKEMFPI 60

Qy   61 EAGAINPENRIIPHLPAPKWFDGQRAAENRQGTLTEYCSTLMSLPTKISRCPHLLDFFKV 120
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   61 EAGAINPENRIIPHLPAPKWFDGQRAAENRQGTLTEYCSTLMSLPTKISRCPHLLDFFKV 120

Qy  121 RPDDLKLPTDNQTKKPETYLMPKDGKSTATDITGPIILQTYRAIANYEKTSGSEMALSTG 180
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db  121 RPDDLKLPTDNQTKKPETYLMPKDGKSTATDITGPIILQTYRAIADYEKTSGSEMALSTG 180

Qy  181 DVVEVVEKSESGWWFCQMKAKRGWIPASFLEPLDSPDETEDPEPNYAGEPYVAIKAYTAV 240
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db  181 DVVEVVEKSESGWWFCQMKAKRGWIPASFLEPLDSPDETEDPEPNYAGEPYVAIKAYTAV 240

Qy  241 EGDEVSLLEGEAVEVIHKLLDGW----KDDVTGYFPSMYLQKSGQDVSQAQRQIKRGAPP 296
          |||||||||||||||||||||||    |||||||||||||||||||||||||||||||||
Db  241 EGDEVSLLEGEAVEVIHKLLDGWWVIRKDDVTGYFPSMYLQKSGQDVSQAQRQIKRGAPP 300

Qy  297 RRSSIRNAHSIHQRSRKRLSQDAYRRNSVRFLQQRRRQARPGPQSPGSPLEEERQTQRSK 356
```

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Db    301  |||||||||||||||||||||||||||||||||||||
           RRSSIRNAHSIHQRSRKRLSQDAYRRNSVRFLQQRRQARPGPQSPGSPLEEERQTQRSK 360

Qy    357  PQPAVPPRPSADLILNRCSESTKRKLASAV 386
           ||||||||||||||||||||||||||
Db    361  PQPAVPPRPSADLILNRCSESTKRKLASAV 390

RESULT 7
US-10-767-341-4
; Sequence 4, Application US/10767341
; Publication No. US2004013208A1
; GENERAL INFORMATION:
; APPLICANT: SHAO, Wei et al.
; TITLE OF INVENTION: ISOLATED HUMAN ENZYME PROTEINS, NUCLEIC
; TITLE OF INVENTION: ACID MOLECULES ENCODING HUMAN ENZYME PROTEINS, AND USES
; TITLE OF INVENTION: THEREOF
; FILE REFERENCE: CL001198DIV-II
; CURRENT APPLICATION NUMBER: US/10/767,341
; CURRENT FILING DATE: 2004-01-30
; PRIOR APPLICATION NUMBER: 09/820,005
; PRIOR FILING DATE: 2001-03-29
; PRIOR APPLICATION NUMBER: 10/109,856
; PRIOR FILING DATE: 2002-04-01
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 4
; LENGTH: 390
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-767-341-4

Query Match          99.2%;  Score 2018;  DB 16;  Length 390;
Best Local Similarity 98.7%;  Pred. No. 6e-161;
Matches 385;  Conservative 1;  Mismatches 0;  Indels 4;  Gaps 1;

Qy    1    MGDTFIRHIALLGFEKRFVPSQHYVYMFLVKWQDLSEKVVYRRFTEIYEFHKTLKEMPPI 60
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    1    MGDTFIRHIALLGFEKRFVPSQHYVYMFLVKWQDLSEKVVYRRFTEIYEFHKTLKEMPPI 60

Qy    61   EAGAINPENRIIPHLPAPKWFDGQRAAENRQGTLTEYCSTLMSLPTKISRCPHLLDFFKV 120
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    61   EAGAINPENRIIPHLPAPKWFDGQRAAENRQGTLTEYCSTLMSLPTKISRCPHLLDFFKV 120

Qy    121  RPDDLKLPTDNQTKKPETYLMPKDGKSTATDITGPIILQTYRAIANYEKTSGSEMALSTG 180
           ||||||||||||||||||||||||||||||||||||||||||||:|||||||||||||||
Db    121  RPDDLKLPTDNQTKKPETYLMPKDGKSTATDITGPIILQTYRAIADYEKTSGSEMALSTG 180

Qy    181  DVVEVEKSESGWWFCQMKAKRGWIPASFLEPLDSPDETEDPEPNYAGEPYVAIKAYTAV 240
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    181  DVVEVEKSESGWWFCQMKAKRGWIPASFLEPLDSPDETEDPEPNYAGEPYVAIKAYTAV 240

Qy    241  EGDEVSLLEGEAVEVIHKLLDGW---KDDVTGYFPSMYLQKSGQDVSQAQRQIKRGAPP 296
           ||||||||||||||||||||||||   |||||||||||||||||||||||||||||||||
Db    241  EGDEVSLLEGEAVEVIHKLLDGWWVIRKDDVTGYFPSMYLQKSGQDVSQAQRQIKRGAPP 300

Qy    297  RRSSIRNAHSIHQRSRKRLSQDAYRRNSVRFLQQRRQARPGPQSPGSPLEEERQTQRSK 356
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    301  RRSSIRNAHSIHQRSRKRLSQDAYRRNSVRFLQQRRQARPGPQSPGSPLEEERQTQRSK 360

Qy    357  PQPAVPPRPSADLILNRCSESTKRKLASAV 386
           ||||||||||||||||||||||||||
Db    361  PQPAVPPRPSADLILNRCSESTKRKLASAV 390

RESULT 8
US-10-437-427-7
; Sequence 7, Application US/10437427
; Publication No. US20040009901A1
; GENERAL INFORMATION:
; APPLICANT: Rikard Holmdahl
; APPLICANT: Peter Olofsson
; TITLE OF INVENTION: Autoimmune Conditions and NADPH Oxidase
```

```
; TITLE OF INVENTION: Defects
; FILE REFERENCE: 11145-024001
; CURRENT APPLICATION NUMBER: US/10/437,427
; CURRENT FILING DATE: 2003-05-13
; PRIOR APPLICATION NUMBER: US 60/380,904
; PRIOR FILING DATE: 2002-05-13
; PRIOR APPLICATION NUMBER: US 60/429,609
; PRIOR FILING DATE: 2002-11-27
; NUMBER OF SEQ ID NOS: 8
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 7
; LENGTH: 390
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-437-427-7

Query Match          99.0%;  Score 2015;  DB 15;  Length 390;
Best Local Similarity 98.5%;  Pred. No. 1.1e-160;
Matches 384;  Conservative 1;  Mismatches 1;  Indels 4;  Gaps 1;

Qy    1    MGDTFIRHIALLGFEKRFVPSQHYVYMFLVKWQDLSEKVVYRRFTEIYEFHKTLKEMPPI 60
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    1    MGDTFIRHIALLGFEKRFVPSQHYVYMFLVKWQDLSEKVVYRRFTEIYEFHKTLKEMPPI 60

Qy    61   EAGAINPENRIIPHLPAPKWFDGQRAAENRQGTLTEYCSTLMSLPTKISRCPHLLDFFKV 120
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    61   EAGAINPENRIIPHLPAPKWFDGQRAAENRQGTLTEYCSTLMSLPTKISRCPHLLDFFKV 120

Qy    121  RPDDLKLPTDNQTKKPETYLMPKDGKSTATDITGPIILQTYRAIANYEKTSGSEMALSTG 180
           |||||||||||||||||||||||||||||||||||||:||||||||||||||||||||||
Db    121  RPDDLKLPTDNQTKKPETYLMPKDGKSTATDITGPIILQSYRAIANYEKTSGSEMALSTG 180

Qy    181  DVVEVEKSESGWWFCQMKAKRGWIPASFLEPLDSPDETEDPEPNYAGEPYVAIKAYTAV 240
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    181  DVVEVEKSESGWWFCQMKAKRGWIPASFLEPLDSPDETEDPEPNYAGEPYVAIKAYTAV 240

Qy    241  EGDEVSLLEGEAVEVIHKLLDGW---KDDVTGYFPSMYLQKSGQDVSQAQRQIKRGAPP 296
           ||||||||||||||||||||||||   |||||||||||||||||||||||||||||||||
Db    241  EGDEVSLLEGEAVEVIHKLLDGWWVIRKDDVTGYFPSMYLQKSGQDVSQAQRQIKRGAPP 300

Qy    297  RRSSIRNAHSIHQRSRKRLSQDAYRRNSVRFLQQRRQARPGPQSPGSPLEEERQTQRSK 356
           |||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    301  RRSIRNVHSIHQRSRKRLSQDAYRRNSVRFLQQRRQARPGPQSPGSPLEEERQTQRSK 360

Qy    357  PQPAVPPRPSADLILNRCSESTKRKLASAV 386
           ||||||||||||||||||||||||||
Db    361  PQPAVPPRPSADLILNRCSESTKRKLASAV 390

RESULT 9
US-10-437-427-4
; Sequence 4, Application US/10437427
; Publication No. US20040009901A1
; GENERAL INFORMATION:
; APPLICANT: Rikard Holmdahl
; APPLICANT: Peter Olofsson
; TITLE OF INVENTION: Autoimmune Conditions and NADPH Oxidase
; TITLE OF INVENTION: Defects
; FILE REFERENCE: 11145-024001
; CURRENT APPLICATION NUMBER: US/10/437,427
; CURRENT FILING DATE: 2003-05-13
; PRIOR APPLICATION NUMBER: US 60/380,904
; PRIOR FILING DATE: 2002-05-13
; PRIOR APPLICATION NUMBER: US 60/429,609
; PRIOR FILING DATE: 2002-11-27
; NUMBER OF SEQ ID NOS: 8
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 4
; LENGTH: 389
; TYPE: PRT
; ORGANISM: Rattus norvegicus
US-10-437-427-4
```

Query Match   83.4%; Score 1696.5; DB 15; Length 389;
Best Local Similarity 81.3%; Pred. No. 6.2e-134;
Matches 318; Conservative 34; Mismatches 32; Indels 7; Gaps 3;

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Qy    1 MGDTFIRHIALLGFEKRFVPSQHYYVMFLVKWQDLSEKVVYRRFTEIYEFHKTLKEMFPI  60
Db    1 MGDTFIRHIALLGFEKRFVPSQHYYVMFLVKWQDLSEKVVYRKFTEIYEFHKMLKEMFPI  60

Qy   61 EAGAINPENRIIPHLPAPKWFDGQRAAENRQGTLTEYCSTLMSLPTKISRCPHLLDFFKV 120
Db   61 EAGEIHTENRVIPHLPAPRWYDGQRAAESRQGTLTEYFNSLMGLPVKISRCPHLLNFFKV 120

Qy  121 RPDDLKLPTDNQTKKPETYLMPKDGKSTATDITGPIILQTYRAIANYEKTSGSEMALSTG 180
Db  121 RPDDLKLPNDSQVKKPETYLTAKDGKNNVADITGPIILQTYRAIADYEKGSKTEMTVATG 180

Qy  181 DVVEVVEKSESGWWFCQMKAKRGWIPASFLEPLDSPDETEDPEPNYAGEPYVAIKAYTAV 240
Db  181 DVVDVVEKSESGWWFCQMKTKRGWVPASYLEPLDSPDEAEDPDPNYAGEPYVTIKAYAAV 240

Qy  241 EGDEVSLLEGEAVEVIHKLLDGW----KDDVTGYFPSMYLQKSGQDVSQAQRQIK-RGAP 295
Db  241 BEDEVSLSEGEAIEVIHKLLDGWWVVRKGDITGYFPSMYLQKAGEITQAQRQIRSRGAP 300

Qy  296 PRRSSIRNAHSIHQRSRKRLSQDAYRRNSVRFLQQRRRQARPGPQSPGSPLEEERQTQRS 355
Db  301 PRRSTIRNAQSIHQRSRKRLSQDTYRRNSVRFLQQRRPARPGPQSPDS--KDNPSTPRA 358

Qy  356 KPQPAVPPRPSADLILNRCSESTKRKLASAV 386
Db  359 KPQPAVPPRPSSDLILHRCTESTKRKLTSAV 389
```

RESULT 10
US-10-437-427-2
; Sequence 2, Application US/10437427
; Publication No. US20040009901A1
; GENERAL INFORMATION:
; APPLICANT: Rikard Holmdahl
; APPLICANT: Peter Olofsson
; TITLE OF INVENTION: Autoimmune Conditions and NADPH Oxidase
; TITLE OF INVENTION: Defects
; FILE REFERENCE: 11145-024001
; CURRENT APPLICATION NUMBER: US/10/437,427
; CURRENT FILING DATE: 2003-05-13
; PRIOR APPLICATION NUMBER: US 60/380,904
; PRIOR FILING DATE: 2002-05-13
; PRIOR APPLICATION NUMBER: US 60/429,609
; PRIOR FILING DATE: 2002-11-27
; NUMBER OF SEQ ID NOS: 8
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 2
; LENGTH: 389
; TYPE: PRT
; ORGANISM: Rattus norvegicus
US-10-437-427-2

Query Match   83.0%; Score 1689.5; DB 15; Length 389;
Best Local Similarity 81.1%; Pred. No. 2.4e-133;
Matches 317; Conservative 34; Mismatches 33; Indels 7; Gaps 3;

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Qy    1 MGDTFIRHIALLGFEKRFVPSQHYYVMFLVKWQDLSEKVVYRRFTEIYEFHKTLKEMFPI  60
Db    1 MGDTFIRHIALLGFEKRFVPSQHYYVMFLVKWQDLSEKVVYRKFTEIYEFHKMLKEMFPI  60

Qy   61 EAGAINPENRIIPHLPAPKWFDGQRAAENRQGTLTEYCSTLMSLPTKISRCPHLLDFFKV 120
Db   61 EAGEIHTENRVIPHLPAPRWYDGQRAAESRQGTLTEYFNSLMGLPMKISRCPHLLNFFKV 120

Qy  121 RPDDLKLPTDNQTKKPETYLMPKDGKSTATDITGPIILQTYRAIANYEKTSGSEMALSTG 180
Db  121 RPDDLKLPNDSQVKKPETYLTAKDGKNNVADIMGPIILQTYRAIADYEKGSKTEMTVATG 180
```

```
Qy  181 DVVEVVEKSESGWWFCQMKAKRGWIPASFLEPLDSPDETEDPEPNYAGEPYVAIKAYTAV 240
Db  181 DVVDVVEKSESGWWFCQMKTKRGWVPASYLEPLDSPDEAEDPDPNYAGEPYVTIKAYAAV 240

Qy  241 EGDEVSLLEGEAVEVIHKLLDGW----KDDVTGYFPSMYLQKSGQDVSQAQRQIK-RGAP 295
Db  241 BEDEVSLSEGEAIEVIHKLLDGWWVRKGDITGYFPSMYLQKAGEITQAQRQIRSRGAP 300

Qy  296 PRRSSIRNAHSIHQRSRKRLSQDAYRRNSVRFLQQRRRQARPGPQSPGSPLEEERQTQRS 355
Db  301 PRRSTIRNAQSIHQRSRKRLSQDTYRRNSVRFLQQRRPARPGPQSPDS--KDNPSTPRA 358

Qy  356 KPQPAVPPRPSADLILNRCSESTKRKLASAV 386
Db  359 KPQPAVPPRPSSDLILHRCTESTKRKLTSAV 389
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RESULT 11
US-10-202-724-4
; Sequence 4, Application US/10202724
; Publication No. US20030108975A1
; GENERAL INFORMATION:
; APPLICANT: Warner Lambert Company
; TITLE OF INVENTION: Method for the screening of compounds that inhibit the
; TITLE OF INVENTION: interaction between a proline-rich peptide and a SH3
; TITLE OF INVENTION: domain-comprising peptide
; FILE REFERENCE: HTRF-SH3 Domains - Warner Lambert
; CURRENT APPLICATION NUMBER: US/10/202,724
; CURRENT FILING DATE: 2002-07-24
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 4
; LENGTH: 134
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-202-724-4

Query Match   33.1%; Score 673; DB 14; Length 134;
Best Local Similarity 96.3%; Pred. No. 1.5e-48;
Matches 129; Conservative 1; Mismatches 0; Indels 4; Gaps 1;

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Qy  151 DITGPIILQTYRAIANYEKTSGSEMALSTGDVVEVVEKSESGWWFCQMKAKRGWIPASFL 210
Db    1 DITGPIILQTYRAIADYEKTSGSEMALSTGDVVEVVEKSESGWWFCQMKAKRGWIPASFL  60

Qy  211 EPLDSPDETEDPEPNYAGEPYVAIKAYTAVEGDEVSLLEGEAVEVIHKLLDGW---KDD 266
Db   61 EPLDSPDETEDPEPNYAGEPYVAIKAYTAVEGDEVSLLEGEAVEVIHKLLDGWVIRKDD 120

Qy  267 VTGYFPSMYLQKSG 280
Db  121 VTGYFPSMYLQKSG 134
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RESULT 12
US-09-925-299-1221
; Sequence 1221, Application US/09925299
; Patent No. US20020055627A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins and Antibodies
; FILE REFERENCE: PA102
; CURRENT APPLICATION NUMBER: US/09/925,299
; CURRENT FILING DATE: 2001-08-10
; CURRENT APPLICATION NUMBER: PCT/US00/05883
; PRIOR FILING DATE: 2000-03-08
; PRIOR APPLICATION NUMBER: 60/124,270
; PRIOR FILING DATE: 1999-03-12
; NUMBER OF SEQ ID NOS: 1556
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1221
; LENGTH: 141
; TYPE: PRT

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; ORGANISM: Homo sapiens
US-09-925-299-1221

Query Match      29.1%;     Score 593; DB 9; Length 141;
Best Local Similarity  70.7%;  Pred. No. 8.2e-42;
Matches 118; Conservative  7; Mismatches 16; Indels 26; Gaps  2;

Qy   3  DTFIRHIALLGFEKRFVPSQHYVYMFLVKWQDLSEKVVYRRFTEIYEFHKTLKEMFPIEA 62
        ||||||||||||||||||||||||
Db   1  DTFIRHIALLGFEKRFVPSQHYV-----------------------HVPGEMAGPVGE 35

Qy  63  GAINPENRIIPHLPAPKWFDGQRAAENRQGTLTEYCSTLMSLPTKISRCPHLLDFFKVRP 122
        ||: .:|:||||||||||||||||||||
Db  36  GGLPALHRDL-RVPSPKWFDGQRAAENHQGTLTEYCGTLMSLPTKISRCPHLLDFFKVRP 94

Qy 123  DDLKLPTDNQTKKPETYLMPKDGKSTATDITGPIILQTYRAIANYEK 169
        |||||||||||||||||||||||||||||
Db  95  DDLKLPTDNQTKKPETYLMPKDGKSTATDITGPIILQTYRAIANYEK 141

RESULT 13
US-09-925-299-1221
; Sequence 1221, Application US/09925299
; Publication No. US20030040617A9
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins and Antibodies
; FILE REFERENCE: PA102
; CURRENT APPLICATION NUMBER: US/09/925,299
; CURRENT FILING DATE: 2001-08-10
; PRIOR APPLICATION NUMBER: PCT/US00/05883
; PRIOR FILING DATE: 2000-03-08
; PRIOR APPLICATION NUMBER: 60/124,270
; PRIOR FILING DATE: 1999-03-12
; NUMBER OF SEQ ID NOS: 1556
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1221
; LENGTH: 141
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-925-299-1221

Query Match      29.1%;     Score 593; DB 10; Length 141;
Best Local Similarity  70.7%;  Pred. No. 8.2e-42;
Matches 118; Conservative  7; Mismatches 16; Indels 26; Gaps  2;

Qy   3  DTFIRHIALLGFEKRFVPSQHYVYMFLVKWQDLSEKVVYRRFTEIYEFHKTLKEMFPIEA 62
Db   1  DTFIRHIALLGFEKRFVPSQHYV-----------------------HVPGEMAGPVGE 35

Qy  63  GAINPENRIIPHLPAPKWFDGQRAAENRQGTLTEYCSTLMSLPTKISRCPHLLDFFKVRP 122
Db  36  GGLPALHRDL-RVPSPKWFDGQRAAENHQGTLTEYCGTLMSLPTKISRCPHLLDFFKVRP 94

Qy 123  DDLKLPTDNQTKKPETYLMPKDGKSTATDITGPIILQTYRAIANYEK 169
Db  95  DDLKLPTDNQTKKPETYLMPKDGKSTATDITGPIILQTYRAIANYEK 141

RESULT 14
US-10-161-927-60
; Sequence 60, Application US/10161927
; Publication No. US20030235821A1
; GENERAL INFORMATION:
; APPLICANT: Zerhusen, Bryan D.
; APPLICANT: Kekuda, Ramesh
; APPLICANT: Spytek, Kimberly A.
; APPLICANT: Shenoy, Suresh G.
; APPLICANT: Miller, Charles E.
; APPLICANT: Hjalt, Tord
; APPLICANT: Gerlach, Valerie L.
; APPLICANT: Baumgartner, Jason C.
; APPLICANT: Guo, Xiaojia
; APPLICANT: Gangolli, Esha A.
; APPLICANT: Vernet, Corine
; APPLICANT: Padigaru, Muralidhara
; APPLICANT: Li, Li
; APPLICANT: Pena, Carol E.A.
; APPLICANT: Gorman, Linda
; APPLICANT: Anderson, David W.
; APPLICANT: Edinger, Shlomit R.
; APPLICANT: Patturajan, Meera
; APPLICANT: Stone, David J.
; TITLE OF INVENTION: NOVEL HUMAN PROTEINS, POLYNUCLEOTIDES ENCODING THEM AND METHODS OF
; TITLE OF INVENTION: THE SAME
; FILE REFERENCE: 21402-377 D (Cura 677 Other)
; CURRENT APPLICATION NUMBER: US/10/161,927
; CURRENT FILING DATE: 2002-06-03
; PRIOR APPLICATION NUMBER: 60/295,661
; PRIOR FILING DATE: 2001-06-04
; PRIOR APPLICATION NUMBER: 60/295,607
; PRIOR FILING DATE: 2001-06-04
; PRIOR APPLICATION NUMBER: 60/296,404
; PRIOR FILING DATE: 2001-06-06
; PRIOR APPLICATION NUMBER: 60/296,418
; PRIOR FILING DATE: 2001-06-06
; PRIOR APPLICATION NUMBER: 60/296,575
; PRIOR FILING DATE: 2001-06-07
; PRIOR APPLICATION NUMBER: 60/297,414
; PRIOR FILING DATE: 2001-06-11
; PRIOR APPLICATION NUMBER: 60/297,567
; PRIOR FILING DATE: 2001-06-11
; PRIOR APPLICATION NUMBER: 60/297,567
; PRIOR FILING DATE: 2001-06-12
; PRIOR APPLICATION NUMBER: 60/298,528
; PRIOR FILING DATE: 2001-06-15
; PRIOR APPLICATION NUMBER: 60/325,685
; PRIOR FILING DATE: 2001-09-27
; PRIOR APPLICATION NUMBER: 60/299,133
; PRIOR FILING DATE: 2001-06-18
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 190
; SEQ ID NO 60
; LENGTH: 1138
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-161-927-60

Query Match      24.1%;     Score 490.5; DB 15; Length 1138;
Best Local Similarity  27.2%;  Pred. No. 5.8e-32;
Matches 123; Conservative  76; Mismatches 153; Indels 101; Gaps 11;

Qy   6  IRHIALLGFEKRFVPSQHY-----VYMFLVKWQDLSEKVVYRRFTEIYEFHKTLKEMFPI 60
Db   6  VQDATVVDVEKRRNPSKHYVSTPQVYIINVTWSDSTSQTIYRRYSKFFDLQMQLLDKFPI 65

Qy  61  EAGAINPENRIIPHLPAPKWFDGQR---AAENRQGTLTEYCSTLMSLPTKISRCPHLLDF 117
Db  66  EGGQKDPKQRIIPFLPGKILFRRSHIRDVAVKRLKPIDEYCRALVRLPHISQCDEVFRP 125

Qy 118  FKVRPDDLKLP-TDNQTKKPETYLMPKDGKSTATDITG------PIILQTYRAIANYEKT 170
Db 126  FEARPEDVNPPKEDYGSSKRKSVWLSSWAESPKKDVTGADATAEPMILEQYVVVSNYKKQ 185

Qy 171  SGSEMALSTGDVVEVVEKSESGWWFCQMKAKRGWIPASFLEPLDSPDETEDPEPNYAG-- 228
Db 186  ENSELSLQAGEVVDVIEKNESGWWFVSTSEEQGWVPATYLEAQNGTRDDSDINTSKTGEV 245

Qy 229  --------------------------------EPYVAIKAYTAVEGDEVSLLEGEAVEVIHKLL 260
Db 246  SKRRKAHLRLRDRRWTLGGMVNRQHSREEKYVTVQPYTSQSKDEIGFEKGVTVEVIRKNL 305

Qy 261  DGW------KDDVTGYFPSMYLQKSGQDVSQAQRQI----------- 290
Db 306  EGWWYIRYLGKE---GWAPASYLKKAKDDLPTRKKNLAGPVEIIGNIMEISNLLNKKASG 362

Qy 291  KRGAPPR----------RSSIRNAHSIHQRSRKRLSQDAYRRNSVRFLQQ 330
```

```
Db   363 DKETPPAEGEGHEAPIAKKEISLPILCNASNGSAVGVPDRTVSRLAQGS--PAVARIAPQ 420

Qy   331 RRRQARPGPQSPGSPLEEERQTQRSKPQPAVPP 363
             |  : ::  :        |:|  ||
Db   421 RAQISSPNLRTRPPP-RRESSLGFQLPKPPEPP 452


Qy   352 TQRSKPQPAVPP 363
             |:|  ||
Db   357 LGFQLPKPPEPP 368
```

Search completed: April 25, 2005, 11:16:08
Job time : 97 secs

RESULT 15
US-10-094-749-2576
; Sequence 2576, Application US/10094749
; Publication No. US2003219741A1
; GENERAL INFORMATION:
; APPLICANT: ISOGAI, TAKAO
; APPLICANT: SUGIYAMA, TOMOYASU
; APPLICANT: OTSUKI, TETSUJI
; APPLICANT: WAKAMATSU, AI
; APPLICANT: SATO, HIROYUKI
; APPLICANT: ISHII, SHIZUKO
; APPLICANT: YAMAMOTO, JUN-ICHI
; APPLICANT: ISONO, YUUKO
; APPLICANT: HIO, YURI
; APPLICANT: OTSUKA, KAORU
; APPLICANT: NAGAI, KEIICHI
; APPLICANT: IRIE, RYOTARO
; APPLICANT: TAMECHIKA, ICHIRO
; APPLICANT: SEKI, NAOHIKO
; APPLICANT: YOSHIKAWA, TSUTOMU
; APPLICANT: OTSUKA, MOTOYUKI
; APPLICANT: NAGAHARI, KENJI
; APPLICANT: MASUHO, YASUHIKO
; TITLE OF INVENTION: NOVEL FULL-LENGTH cDNA
; FILE REFERENCE: 084335/0160
; CURRENT APPLICATION NUMBER: US/10/094,749
; CURRENT FILING DATE: 2002-03-12
; PRIOR APPLICATION NUMBER: 60/350,435
; PRIOR FILING DATE: 2002-01-24
; PRIOR APPLICATION NUMBER: JP 2001-328381
; PRIOR FILING DATE: 2001-09-14
; NUMBER OF SEQ ID NOS: 3381
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2576
; LENGTH: 1054
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-094-749-2576

Query Match   20.7%; Score 422; DB 15; Length 1054;
Best Local Similarity   29.0%; Pred. No. 3e-26;
Matches 108; Conservative 62; Mismatches 134; Indels 68; Gaps 10;

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Db     3 LLDKFPIEGGQKDPKQRIIPFLPGKILFRRSHIRDVAVKRLKPIDEYCRALVRLPPHISQ 62

Qy   111 CPHLLDFFKVRPDDLKLP-TDNQTKKPETYLMPKDGKSTATDITG------PIILQTYRA 163
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Db    63 CDEVFRFFEARPEDVNPPKEDYGSSKRKSVWLSSWAESPKKDVTGADATAEPMILEQYVV 122

Qy   164 IANYEKTSGGSEMALSTGDVVEVVEKSESGWWFCQMKAKRGWIPASFLEPLDSPDETEDPE 223
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Qy   224 PNYAG--EPYVAIKAYTAVEGDEVSLLEGEAVEVIHKLLDGW------KDDVTGYFPSM 274
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Qy   275 YLQKSGQDVSQAQRQI----------------------KRGAPPR------------ 297
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Qy   298 ------RSSIRNAHSIHQRSRKRLSQDAYRRNSVRFLQQRRQARPGPQSPGSPLEEERQ 351
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             Copyright (c) 1993 - 2005  Compugen Ltd.

OM protein - protein search, using sw model

Run on:        April 25, 2005, 08:47:17 ; Search time 57 Seconds
                                         (without alignments)
                                         505.518 Million cell updates/sec

Title:        US-10-767-341-2
Perfect score: 2035
Sequence:      1 MGDTFIRHIALLGFEKRFVP.........ADLILNRCSESTKRKLASAV 386

Scoring table: BLOSUM62
               Gapop 10.0 , Gapext 0.5

Searched:     513545 seqs, 74649064 residues

Total number of hits satisfying chosen parameters:         513545

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
                 Maximum Match 100%
                 Listing first 45 summaries

Database :     Issued Patents AA:*
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               2: /cgn2_6/ptcodata/1/iaa/5B_COMB.pep:*
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Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES
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1	2035	100.0	386	386	4	US-09-820-005-2	Sequence 2, Appli
2	2035	100.0	386	386	4	US-10-109-856-2	Sequence 2, Appli
3	2018	99.2	390	390	4	US-09-820-005-4	Sequence 4, Appli
4	2018	99.2	390	390	4	US-10-109-856-4	Sequence 4, Appli
5	405.5	19.9	215	215	4	US-09-808-701A-21	Sequence 21, Appl
6	310	15.2	60	60	4	US-09-006-428A-10	Sequence 10, Appl
7	310	15.2	60	60	4	US-09-615-387C-10	Sequence 10, Appl
8	281	13.8	60	60	4	US-09-006-428A-13	Sequence 13, Appl
9	281	13.8	60	60	4	US-09-615-387C-13	Sequence 13, Appl
10	239	11.7	52	52	4	US-09-079-030-27	Sequence 27, Appl
11	188	9.2	509	509	3	US-08-630-915A-194	Sequence 194, App
12	188	9.2	509	509	4	US-09-879-957-194	Sequence 194, App
13	188	9.2	1676	1676	4	US-09-949-016-7610	Sequence 7610, Ap
14	176.5	8.7	248	248	3	US-08-630-915A-40	Sequence 40, Appl
15	176.5	8.7	248	248	4	US-09-879-957-40	Sequence 40, Appl
16	174	8.6	41	41	4	US-08-630-915A-72	Sequence 72, Appl
17	174	8.6	41	41	4	US-09-879-957-72	Sequence 72, Appl
18	171	8.4	38	38	3	US-08-630-915A-106	Sequence 106, App
19	171	8.4	38	38	4	US-09-879-957-106	Sequence 106, App
20	164.5	8.1	639	639	4	US-09-949-016-6812	Sequence 6812, Ap
21	164.5	8.1	652	652	4	US-09-949-016-7323	Sequence 7323, Ap
22	157	7.7	462	462	3	US-08-630-915A-38	Sequence 38, Appl
23	157	7.7	462	462	4	US-09-879-957-38	Sequence 38, Appl
24	157	7.7	520	520	4	US-09-538-092-1347	Sequence 1347, Ap
25	147.5	7.2	324	324	1	US-08-475-894-6	Sequence 6, Appli
26	147.5	7.2	324	324	1	US-08-484-710-6	Sequence 6, Appli
27	147.5	7.2	324	324	2	US-08-484-709-6	Sequence 6, Appli
28	147.5	7.2	324	324	3	US-08-474-697-6	Sequence 6, Appli
29	144	7.1	464	464	1	US-08-475-894-4	Sequence 4, Appli
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31	144	7.1	464	464	2	US-08-484-709-4	Sequence 4, Appli
32	144	7.1	464	464	3	US-08-474-697-4	Sequence 4, Appli
33	141	6.9	553	553	1	US-08-475-894-2	Sequence 2, Appli
34	141	6.9	553	553	1	US-08-484-710-2	Sequence 2, Appli
35	141	6.9	553	553	3	US-08-484-709-2	Sequence 2, Appli
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37	141	6.9	659	659	4	US-08-671-354-2	Sequence 2, Appli
38	137.5	6.8	307	307	4	US-09-248-796A-20530	Sequence 20530, A
39	137.5	6.8	397	397	4	US-09-006-428A-2	Sequence 19, Appl
40	137.5	6.8	397	397	4	US-09-006-428A-19	Sequence 19, Appl
41	137.5	6.8	397	397	4	US-09-615-387C-2	Sequence 19, Appl
42	137.5	6.8	397	397	4	US-09-615-387C-19	Sequence 1, Appli
43	137.5	6.8	416	416	4	US-09-006-428A-1	Sequence 1, Appli
44	137.5	6.8	416	416	4	US-09-006-428A-17	Sequence 17, Appl
45	137.5	6.8	416	416	4	US-09-710-693-1	Sequence 1, Appli

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                         ALIGNMENTS

RESULT 1
US-09-820-005-2
; Sequence 2, Application US/0982005
; Patent No. 6489149
; GENERAL INFORMATION:
;  APPLICANT: SHAO, Wei et al
;  TITLE OF INVENTION: ISOLATED HUMAN ENZYME PROTEINS, NUCLEIC
;  TITLE OF INVENTION: ACID MOLECULES ENCODING HUMAN ENZYME PROTEINS, AND USES
;  TITLE OF INVENTION: THEREOF
;  FILE REFERENCE: CL001198
;  CURRENT APPLICATION NUMBER: US/09/820,005
;  CURRENT FILING DATE:  2001-03-29
;  NUMBER OF SEQ ID NOS:  4
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 2
;  LENGTH: 386
;  TYPE: PRT
;  ORGANISM: Human
US-09-820-005-2

Query Match             100.0%;  Score 2035;  DB 4;  Length 386;
Best Local Similarity   100.0%;  Pred. No. 4.4e-193;
Matches  386;  Conservative   0;  Mismatches   0;  Indels   0;  Gaps   0;

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Db      1 MGDTFIRHIALLGFEKRFVPSQHYVYMFLVKWQDLSEKVVYRRFTEIYEFHKTLKEMFPI 60

Qy     61 EAGAINPENRIIPHLPAPKWFDGQRAAENRQGTLTEYCSTLMSLPTKISRCPHLLDFFKV 120
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Qy    181 DVVEVVEKSESGWWFCQMKAKRGWIPASFLEPLDSPDETEDPENYAGEPYVAIKAYTAV 240
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Qy    361 VPPRPSADLILNRCSESTKRKLASAV 386
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RESULT 2
US-10-109-856-2
; Sequence 2, Application US/10109856
; Patent No. 6709850
; GENERAL INFORMATION:
;   APPLICANT: SHAO, Wei et al.
;   TITLE OF INVENTION: ISOLATED HUMAN ENZYME PROTEINS, NUCLEIC
;   TITLE OF INVENTION: ACID MOLECULES ENCODING HUMAN ENZYME PROTEINS, AND USES
;   TITLE OF INVENTION: THEREOF
;   FILE REFERENCE: CL001198DIV
;   CURRENT APPLICATION NUMBER: US/10/109,856
;   CURRENT FILING DATE: 2002-04-01
;   PRIOR APPLICATION NUMBER: 09/820,005
;   PRIOR FILING DATE: 2001-03-29
;   NUMBER OF SEQ ID NOS: 4
;   SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 2
;   LENGTH: 386
;   TYPE: PRT
;   ORGANISM: Homo sapien
US-10-109-856-2

Query Match   100.0%;   Score 2035; DB 4; Length 386;
Best Local Similarity   100.0%;   Pred. No. 4.4e-193;
Matches   386; Conservative   0; Mismatches   0; Indels   0; Gaps   0;

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Qy   61 EAGAINPENRIIPHLPAPKWFDGQRAAENRQGTLTEYCSTLMSLPTKISRCPHLLDFFKV 120
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Db 121 RPDDLKLPTDNQTKKPETYLMPKDGKSTATDITGPIILQTYRAIANYEKTSGSEMALSTG 180

Qy 181 DVVEVVEKSESGWWFCQMKAKRGWIPASFLEPLDSPDETEDPEPNYAGEPYVAIKAYTAV 240
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Db 241 EGDEVSLLEGEAVEVIHKLLDGWKDDVTGYFPSMYLQKSGQDVSQAQRQIKRGAPPRRSS 300

Qy 301 IRNAHSIHQRSRKRLSQDAYRRNSVRFLQQRRRQARPGPQSPGSPLEEERQTQRSKPQPA 360
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Db 301 IRNAHSIHQRSRKRLSQDAYRRNSVRFLQQRRRQARPGPQSPGSPLEEERQTQRSKPQPA 360

Qy 361 VPPRPSADLILNRCSESTKRKLASAV 386
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RESULT 3
US-09-820-005-4
; Sequence 4, Application US/09820005
; Patent No. 6489149
; GENERAL INFORMATION:
;   APPLICANT: SHAO, Wei et al
;   TITLE OF INVENTION: ISOLATED HUMAN ENZYME PROTEINS, NUCLEIC
;   TITLE OF INVENTION: ACID MOLECULES ENCODING HUMAN ENZYME PROTEINS, AND USES
;   TITLE OF INVENTION: THEREOF
;   FILE REFERENCE: CL001198
;   CURRENT APPLICATION NUMBER: US/09/820,005
;   CURRENT FILING DATE: 2001-03-29
;   NUMBER OF SEQ ID NOS: 4
;   SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 4

;   LENGTH: 390
;   TYPE: PRT
;   ORGANISM: Human
US-09-820-005-4

Query Match   99.2%;   Score 2018; DB 4; Length 390;
Best Local Similarity   98.7%;   Pred. No. 2.2e-191;
Matches   385; Conservative   1; Mismatches   1; Indels   0; Gaps   1;

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Db   1 MGDTFIRHIALLGFEKRFVPSQHYVYMFLVKWQDLSEKVVYRRFTEIYEFHKTLKEMFPI 60

Qy   61 EAGAINPENRIIPHLPAPKWFDGQRAAENRQGTLTEYCSTLMSLPTKISRCPHLLDFFKV 120
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Qy 181 DVVEVVEKSESGWWFCQMKAKRGWIPASFLEPLDSPDETEDPEPNYAGEPYVAIKAYTAV 240
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Db 181 DVVEVVEKSESGWWFCQMKAKRGWIPASFLEPLDSPDETEDPEPNYAGEPYVAIKAYTAV 240

Qy 241 EGDEVSLLEGEAVEVIHKLLDGW----KDDVTGYFPSMYLQKSGQDVSQAQRQIKRGAPP 296
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Qy 297 RRSSIRNAHSIHQRSRKRLSQDAYRRNSVRFLQQRRRQARPGPQSPGSPLEEERQTQRSK 356
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Qy 357 PQPAVPPRPSADLILNRCSESTKRKLASAV 386
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Db 361 PQPAVPPRPSADLILNRCSESTKRKLASAV 390

RESULT 4
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; Sequence 4, Application US/10109856
; Patent No. 6709850
; GENERAL INFORMATION:
;   APPLICANT: SHAO, Wei et al.
;   TITLE OF INVENTION: ISOLATED HUMAN ENZYME PROTEINS, NUCLEIC
;   TITLE OF INVENTION: ACID MOLECULES ENCODING HUMAN ENZYME PROTEINS, AND USES
;   TITLE OF INVENTION: THEREOF
;   FILE REFERENCE: CL001198DIV
;   CURRENT APPLICATION NUMBER: US/10/109,856
;   CURRENT FILING DATE: 2002-04-01
;   PRIOR APPLICATION NUMBER: 09/820,005
;   PRIOR FILING DATE: 2001-03-29
;   NUMBER OF SEQ ID NOS: 4
;   SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 4
;   LENGTH: 390
;   TYPE: PRT
;   ORGANISM: Homo sapien
US-10-109-856-4

Query Match   99.2%;   Score 2018; DB 4; Length 390;
Best Local Similarity   98.7%;   Pred. No. 2.2e-191;
Matches   385; Conservative   1; Mismatches   1; Indels   0; Gaps   1;

Qy   1 MGDTFIRHIALLGFEKRFVPSQHYVYMFLVKWQDLSEKVVYRRFTEIYEFHKTLKEMFPI 60
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Qy   61 EAGAINPENRIIPHLPAPKWFDGQRAAENRQGTLTEYCSTLMSLPTKISRCPHLLDFFKV 120
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357 PQPAVPPRPSADLILNRCSESTKRKLASAV 386
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Db
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361 PQPAVPPRPSADLILNRCSESTKRKLASAV 390
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RESULT 5
US-09-808-701A-21
; Sequence 21, Application US/09808701A
; Patent No. 6610536
; GENERAL INFORMATION:
; APPLICANT: Tang, Y. Tom
; APPLICANT: Goodrich, Ryle
; APPLICANT: Asundi, Vinod
; APPLICANT: Drmanac, Radoje T.
; TITLE OF INVENTION: No. 6610536el Nucleic Acids and
; TITLE OF INVENTION: Polypeptides
; FILE REFERENCE: 790CIP2D
; CURRENT APPLICATION NUMBER: US/09/808,701A
; CURRENT FILING DATE: 2002-03-14
; PRIOR APPLICATION NUMBER: 09/649,167
; PRIOR FILING DATE: 2000-08-23
; PRIOR APPLICATION NUMBER: 09/540,217
; PRIOR FILING DATE: 2000-03-31
; NUMBER OF SEQ ID NOS: 34
; SOFTWARE: pt_FL_genes Version 2.0
; SEQ ID NO 21
; LENGTH: 215
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-808-701A-21

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Query Match       19.9%;  Score 405.5;  DB 4;  Length 215;
Best Local Similarity 37.4%;  Pred. No. 5.8e-32;
Matches  77;  Conservative  43;  Mismatches  75;  Indels  11;  Gaps  3;
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 7 IVEVKVLDVQKRRVPNKHYVYIIRVTWSSGSTEAITRRYSKFFDLQOMLDKFPMBGGQK 66
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Qy
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66 NPENRIIPHLPAPKWFDGQR---AAENRQGTLTEYCSTLMSLPTKISRCPHLLDFFKVRP 122
   :|: |||| |||  |||: ||   :|| :  |:|:| ||:  |:.|||:|:||:| || |
```
Db
```
67 DPKQRIIPFLPGKILFRRSHIRDVAVKRLIPIDEYCKALIQLPPYISQCDEVLQFFETRP 126
```

Qy
```
123 DDLKLPTDNQTKKPETYLMPKDGKSTATDITGPIILQTYRAIANYEKTSGSEMALSTGDV 182
    :||  | ||         |||||: |:|  :||||  :|||:||||||||||||||||||
```
Db
```
127 EDLNPPKEEHIGKKKS-----GGDQTSVD---PMVLEQYVVANYQKQESSEISLSVGQV 178
```

Qy
```
183 VEVVEKSESGWWFCQMKAKRGWIPAS 208
    |:::|:|||||||: :: |:|| :|:
```
Db
```
179 VDIIEKTESGWWFVSTAEEQGWVPAT 204
```

RESULT 6
US-09-006-428A-10
; Sequence 10, Application US/09006428A
; Patent No. 644439
; GENERAL INFORMATION:
; APPLICANT: Jing Li

; APPLICANT: Kazuhisa Nishizawa
; APPLICANT: Wenqian An
; APPLICANT: Ellis L. Reinherz
; TITLE OF INVENTION: CLONING AND CHARACTERIZATION OF A
; TITLE OF INVENTION: cdc15-LIKE ADAPTOR PROTEIN (CD2BP1)
; FILE REFERENCE: 1062.1020-000
; CURRENT APPLICATION NUMBER: US/09/006,428A
; CURRENT FILING DATE: 1998-01-13
; NUMBER OF SEQ ID NOS: 28
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 10
; LENGTH: 60
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-006-428A-10

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Query Match       15.2%;  Score 310;  DB 4;  Length 60;
Best Local Similarity 98.3%;  Pred. No. 2.4e-23;
Matches  59;  Conservative  0;  Mismatches  1;  Indels  0;  Gaps  0;
```

Qy
```
156 IILQTYRAIANYEKTSGSEMALSTGDVVEVVEKSESGWWFCQMKAKRGWIPASFLEPLDS 215
    ||||||||||:|||||||||||||||||||||||||||||||||||||||||||||||||
```
Db
```
  1 IILQTYRAIADYEKTSGSEMALSTGDVVEVVEKSESGWWFCQMKAKRGWIPASFLEPLDS 60
```

RESULT 7
US-09-615-387C-10
; Sequence 10, Application US/09615387C
; Patent No. 6689868
; GENERAL INFORMATION:
; APPLICANT: Jing Li
; APPLICANT: Kazuhisa Nishizawa
; APPLICANT: Wenqian An
; APPLICANT: Ellis L. Reinherz
; TITLE OF INVENTION: CLONING AND CHARACTERIZATION OF A
; TITLE OF INVENTION: cdc15-LIKE ADAPTOR PROTEIN (CD2BP1)
; FILE REFERENCE: 1062.1020-003
; CURRENT APPLICATION NUMBER: US/09/615,387C
; CURRENT FILING DATE: 2000-07-13
; PRIOR APPLICATION NUMBER: PCT/US98/26699
; PRIOR FILING DATE: 1998-12-14
; PRIOR APPLICATION NUMBER: 09/006,428
; PRIOR FILING DATE: 1998-01-13
; NUMBER OF SEQ ID NOS: 28
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 10
; LENGTH: 60
; TYPE: PRT
; ORGANISM: Homo sapien
US-09-615-387C-10

```
Query Match       15.2%;  Score 310;  DB 4;  Length 60;
Best Local Similarity 98.3%;  Pred. No. 2.4e-23;
Matches  59;  Conservative  0;  Mismatches  1;  Indels  0;  Gaps  0;
```

Qy
```
156 IILQTYRAIANYEKTSGSEMALSTGDVVEVVEKSESGWWFCQMKAKRGWIPASFLEPLDS 215
    ||||||||||:|||||||||||||||||||||||||||||||||||||||||||||||||
```
Db
```
  1 IILQTYRAIADYEKTSGSEMALSTGDVVEVVEKSESGWWFCQMKAKRGWIPASFLEPLDS 60
```

RESULT 8
US-09-006-428A-13
; Sequence 13, Application US/09006428A
; Patent No. 644439
; GENERAL INFORMATION:
; APPLICANT: Jing Li
; APPLICANT: Kazuhisa Nishizawa
; APPLICANT: Wenqian An
; APPLICANT: Ellis L. Reinherz
; TITLE OF INVENTION: CLONING AND CHARACTERIZATION OF A
; TITLE OF INVENTION: cdc15-LIKE ADAPTOR PROTEIN (CD2BP1)
; FILE REFERENCE: 1062.1020-000
; CURRENT APPLICATION NUMBER: US/09/006,428A

```
;  CURRENT FILING DATE:  1998-01-13
;  NUMBER OF SEQ ID NOS:  28
;  SOFTWARE:  FastSEQ for Windows Version 4.0
;  SEQ ID NO 13
;    LENGTH: 60
;    TYPE: PRT
;    ORGANISM: Homo sapiens
US-09-006-428A-13

Query Match     13.8%;   Score 281;  DB 4;  Length 60;
Best Local Similarity  93.3%;  Pred. No. 1.8e-20;
Matches  56;  Conservative  0;  Mismatches  0;  Indels  4;  Gaps  1;

Qy   226 YAGEPYVAIKAYTAVEGDEVSLLEGEAVEVIHKLLDGW----KDDVTGYFPSMYLQKSGQ 281
          ||||||||||||||||||||||||||||||||||||    ||||||||||||||||||||
Db     1 YAGEPYVAIKAYTAVEGDEVSLLEGEAVEVIHKLLDGWWVIRKDDVTGYFPSMYLQKSGQ 60

RESULT 9
US-09-615-387C-13
; Sequence 13, Application US/0961S387C
; Patent No. 6689868
; GENERAL INFORMATION:
; APPLICANT: Jing Li
; APPLICANT: Kazuhisa Nishizawa
; APPLICANT: Wenqian An
; APPLICANT: Ellis L. Reinherz
; TITLE OF INVENTION: CLONING AND CHARACTERIZATION OF A
; TITLE OF INVENTION: cdc15-LIKE ADAPTOR PROTEIN (CD2BP1)
; FILE REFERENCE: 1062.1020-003
; CURRENT APPLICATION NUMBER: US/09/615,387C
; CURRENT FILING DATE: 2000-07-13
; PRIOR APPLICATION NUMBER: PCT/US98/26699
; PRIOR FILING DATE: 1998-12-14
; PRIOR APPLICATION NUMBER: 09/006,428
; PRIOR FILING DATE: 1998-01-13
; NUMBER OF SEQ ID NOS: 28
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 13
;   LENGTH: 60
;   TYPE: PRT
;   ORGANISM: Homo sapien
US-09-615-387C-13

Query Match     13.8%;   Score 281;  DB 4;  Length 60;
Best Local Similarity  93.3%;  Pred. No. 1.8e-20;
Matches  56;  Conservative  0;  Mismatches  0;  Indels  4;  Gaps  1;

Qy   226 YAGEPYVAIKAYTAVEGDEVSLLEGEAVEVIHKLLDGW----KDDVTGYFPSMYLQKSGQ 281
          ||||||||||||||||||||||||||||||||||||    ||||||||||||||||||||
Db     1 YAGEPYVAIKAYTAVEGDEVSLLEGEAVEVIHKLLDGWWVIRKDDVTGYFPSMYLQKSGQ 60

RESULT 10
US-09-079-030-27
; Sequence 27, Application US/09079030
; Patent No. 6635623
; GENERAL INFORMATION:
; APPLICANT: Guevera, Jr., Juan G.
; APPLICANT: Hoogeveen, Ron C.
; APPLICANT: Moore, Paul J.
; TITLE OF INVENTION: LIPOPROTEINS AS NUCLEIC ACID DELIVERY
; TITLE OF INVENTION: VECTORS FOR TRANSFECTION OF EUKARYOTIC CELLS
; NUMBER OF SEQUENCES: 229
; CORRESPONDENCE ADDRESS:
;   ADDRESSEE: Arnold, White & Durkee
;   STREET: P.O. Box 4433
;   CITY: Houston
;   STATE: Texas
;   COUNTRY: USA
;   ZIP: 77210
; COMPUTER READABLE FORM:
;   MEDIUM TYPE: Floppy disk
;   COMPUTER: IBM PC compatible
;   OPERATING SYSTEM: PC-DOS/MS-DOS
;   SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
;   APPLICATION NUMBER: US/09/079,030
;   FILING DATE: Concurrently Herewith
;   CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
;   NAME: McMillian, Nabeela R.
;   REGISTRATION NUMBER: P-43,363
;   REFERENCE/DOCKET NUMBER: ARAG:003
; TELECOMMUNICATION INFORMATION:
;   TELEPHONE: 512/418-3000
;   TELEFAX: 512/474-7577
; INFORMATION FOR SEQ ID NO:  27:
;   SEQUENCE CHARACTERISTICS:
;     LENGTH: 52 amino acids
;     TYPE: amino acid
;     STRANDEDNESS:
;     TOPOLOGY: linear
US-09-079-030-27

Query Match     11.7%;   Score 239;  DB 4;  Length 52;
Best Local Similarity  92.3%;  Pred. No. 2.1e-16;
Matches  48;  Conservative  0;  Mismatches  0;  Indels  4;  Gaps  1;

Qy   229 EPYVAIKAYTAVEGDEVSLLEGEAVEVIHKLLDGW----KDDVTGYFPSMYL 276
          ||||||||||||||||||||||||||||||||||    ||||||||||||||
Db     1 EPYVAIKAYTAVEGDEVSLLEGEAVEVIHKLLDGWWVIRKDDVTGYFPSMYL 52

RESULT 11
US-08-630-915A-194
; Sequence 194, Application US/08630915A
; Patent No. 6309820
; GENERAL INFORMATION:
; APPLICANT: SPARKS, Andrew B.
; APPLICANT: HOFFMAN, No. 6309820h
; APPLICANT: KAY, Brian K.
; APPLICANT: FOWLKES, Dana M.
; APPLICANT: McCONNELL, Stephen J.
; TITLE OF INVENTION: POLYPEPTIDES HAVING A FUNCTIONAL
; TITLE OF INVENTION: DOMAIN OF INTEREST AND METHODS OF IDENTIFYING AND
; TITLE OF INVENTION: USING SAME
; NUMBER OF SEQUENCES: 227
; CORRESPONDENCE ADDRESS:
;   ADDRESSEE: Pennie & Edmonds LLP
;   STREET: 1155 Avenue of the Americas
;   CITY: New York
;   STATE: New York
;   COUNTRY: USA
;   ZIP: 10036-2711
; COMPUTER READABLE FORM:
;   MEDIUM TYPE: Floppy disk
;   COMPUTER: IBM PC compatible
;   OPERATING SYSTEM: PC-DOS/MS-DOS
;   SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
;   APPLICATION NUMBER: US/08/630,915A
;   FILING DATE: 03-APR-1996
;   CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
;   NAME: Misrock, S. Leslie
;   REGISTRATION NUMBER: 18,872
;   REFERENCE/DOCKET NUMBER: 1101-174
; TELECOMMUNICATION INFORMATION:
;   TELEPHONE: (212) 790-9090
;   TELEFAX: (212) 869-8864/9741
;   TELEX: 66141 PENNIE
; INFORMATION FOR SEQ ID NO:  194:
;   SEQUENCE CHARACTERISTICS:
;     LENGTH: 509 amino acids
;     TYPE: amino acid
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;   STRANDEDNESS:
;   TOPOLOGY: unknown
;   MOLECULE TYPE: peptide
US-08-630-915A-194

Query Match    9.2%;  Score 188;  DB 3;  Length 509;
Best Local Similarity  22.1%;  Pred. No. 7.7e-10;
Matches  60;  Conservative  58;  Mismatches 102;  Indels 52;  Gaps  9;

Qy    64 AINPENRIIPHLPAPKWFDGQRAAENRQGTLTEYCSTLMSLPTKISRCPHLLDFFKVRPD 123
         |:||:|| |  |                 ::    :     |:  ||   || ||
Db   141 AVSPKKALLP------------------PTVSLSATSTSSEPLSSNQPASVTDYQNVSFS 182

Qy   124 DLKLPTDNQTKKPETYLMPKDGKSTATDITGPI-----ILQTYR--AIANYEKTSGSEMA 176
         :|.:            ::    :|            ::   :
Db   183 NLTVNTSWQKKSAFT------RTVSPGSVSPIHGQGQVVENLKAQALCSWTAKKDNHLN 235

Qy   177 LSTGDVVEVVEKSESGWWFCQMKAKRGWIPASFLEPLDSPD-ETEDPEPNYA-------- 227
         ||:|:|: |||  ::|    |::  : : :|:||   ||
Db   236 FSKHDIITVLEQQEN-WWFGEVHGGRGWFPKSYVKIIPGSEVKREEPEALYAAVNKKPTS 294

Qy   228 -----GEPYVAIKAYTAVEGDEVSLLEGEAVEVIHKLLDGWK---DDVTGYFPSMYLQKS 279
              ||:    ::|||   || |      |  :      |:   ||
Db   295 AAYSVGEEYIALYPYSSVEPGDLTFTEGEEILVTQKDGEWWTGSIGDRSGIFPSNYVKPK 354

Qy   280 GQDVSQAQRQIKRGAPPRRSSIRNAHSIHQRS 311
         ::      |     |::
Db   355 DQESFGSAS--KSGASNKKPEIAQVTSAYVAS 384


RESULT 12
US-09-879-957-194
; Sequence 194, Application US/09879957
; Patent No. 6709821
; GENERAL INFORMATION:
;   APPLICANT: SPARKS, Andrew B.
;     HOFFMAN, No. 6709821h
;     KAY, Brian K.
;     FOWLKES, Dana M.
;     McCONNELL, Stephen J.
;   TITLE OF INVENTION: POLYPEPTIDES HAVING A FUNCTIONAL
;     DOMAIN OF INTEREST AND METHODS OF IDENTIFYING AND
;     USING SAME
;   NUMBER OF SEQUENCES: 227
;   CORRESPONDENCE ADDRESS:
;     ADDRESSEE: Pennie & Edmonds LLP
;     STREET: 1155 Avenue of the Americas
;     CITY: New York
;     STATE: New York
;     COUNTRY: USA
;     ZIP: 10036-2711
;   COMPUTER READABLE FORM:
;     MEDIUM TYPE: Floppy disk
;     COMPUTER: IBM PC compatible
;     OPERATING SYSTEM: PC-DOS/MS-DOS
;     SOFTWARE: PatentIn Release #1.0, Version #1.30
;   CURRENT APPLICATION DATA:
;     APPLICATION NUMBER: US/09/879,957
;     FILING DATE: 13-Jun-2001
;     CLASSIFICATION: <Unknown>
;   PRIOR APPLICATION DATA:
;     APPLICATION NUMBER: US 08/630,915
;     FILING DATE: 03-APR-1996
;   ATTORNEY/AGENT INFORMATION:
;     NAME: Misrock, S. Leslie
;     REGISTRATION NUMBER: 18,872
;     REFERENCE/DOCKET NUMBER: 1101-174
;   TELECOMMUNICATION INFORMATION:
;     TELEPHONE: (212) 790-9090
;     TELEFAX: (212) 869-8864/9741
;     TELEX: 66141 PENNIE
; INFORMATION FOR SEQ ID NO: 194:
;   SEQUENCE CHARACTERISTICS:
```

```
;   LENGTH: 509 amino acids
;   TYPE: amino acid
;   STRANDEDNESS: <unknown>
;   TOPOLOGY: unknown
;   MOLECULE TYPE: peptide
;   SEQUENCE DESCRIPTION: SEQ ID NO: 194:
US-09-879-957-194

Query Match    9.2%;  Score 188;  DB 4;  Length 509;
Best Local Similarity  22.1%;  Pred. No. 7.7e-10;
Matches  60;  Conservative  58;  Mismatches 102;  Indels 52;  Gaps  9;

Qy    64 AINPENRIIPHLPAPKWFDGQRAAENRQGTLTEYCSTLMSLPTKISRCPHLLDFFKVRPD 123
         |:||:|| |  |                 ::    :     |:  ||   || ||
Db   141 AVSPKKALLP------------------PTVSLSATSTSSEPLSSNQPASVTDYQNVSFS 182

Qy   124 DLKLPTDNQTKKPETYLMPKDGKSTATDITGPI-----ILQTYR--AIANYEKTSGSEMA 176
         :|.:            ::    :|            ::   :
Db   183 NLTVNTSWQKKSAFT------RTVSPGSVSPIHGQGQVVENLKAQALCSWTAKKDNHLN 235

Qy   177 LSTGDVVEVVEKSESGWWFCQMKAKRGWIPASFLEPLDSPD-ETEDPEPNYA-------- 227
         ||:|:|: |||  ::|    |::  : : :|:||   ||
Db   236 FSKHDIITVLEQQEN-WWFGEVHGGRGWFPKSYVKIIPGSEVKREEPEALYAAVNKKPTS 294

Qy   228 -----GEPYVAIKAYTAVEGDEVSLLEGEAVEVIHKLLDGWK---DDVTGYFPSMYLQKS 279
              ||:    ::|||   || |      |  :      |:   ||
Db   295 AAYSVGEEYIALYPYSSVEPGDLTFTEGEEILVTQKDGEWWTGSIGDRSGIFPSNYVKPK 354

Qy   280 GQDVSQAQRQIKRGAPPRRSSIRNAHSIHQRS 311
         ::      |     |::
Db   355 DQESFGSAS--KSGASNKKPEIAQVTSAYVAS 384


RESULT 13
US-09-949-016-7610
; Sequence 7610, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
;   APPLICANT: VENTER, J. Craig et al.
;   TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
;     WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
;   FILE REFERENCE: CL001307
;   CURRENT APPLICATION NUMBER: US/09/949,016
;   CURRENT FILING DATE: 2000-04-14
;   PRIOR APPLICATION NUMBER: 60/241,755
;   PRIOR FILING DATE: 2000-10-20
;   PRIOR APPLICATION NUMBER: 60/237,768
;   PRIOR FILING DATE: 2000-10-03
;   PRIOR APPLICATION NUMBER: 60/231,498
;   PRIOR FILING DATE: 2000-09-08
;   NUMBER OF SEQ ID NOS: 207012
;   SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 7610
;   LENGTH: 1676
;   TYPE: PRT
;   ORGANISM: Human
US-09-949-016-7610

Query Match    9.2%;  Score 188;  DB 4;  Length 1676;
Best Local Similarity  22.1%;  Pred. No. 4.8e-09;
Matches  60;  Conservative  58;  Mismatches 102;  Indels 52;  Gaps  9;

Qy    64 AINPENRIIPHLPAPKWFDGQRAAENRQGTLTEYCSTLMSLPTKISRCPHLLDFFKVRPD 123
         |:||:|| |  |                 ::    :     |:  ||   || ||
Db   803 AVSPKKALLP------------------PTVSLSATSTSSEPLSSNQPASVTDYQNVSFS 844

Qy   124 DLKLPTDNQTKKPETYLMPKDGKSTATDITGPI-----ILQTYR--AIANYEKTSGSEMA 176
         :|.:            ::    :|            ::   :
Db   845 NLTVNTSWQKKSAFT------RTVSPGSVSPIHGQGQVVENLKAQALCSWTAKKDNHLN 897

Qy   177 LSTGDVVEVVEKSESGWWFCQMKAKRGWIPASFLEPLDSPD-ETEDPEPNYA-------- 227
         ||:|:|: |||  ::|    |::  : : :|:||   ||
Db   898 FSKHDIITVLEQQEN-WWFGEVHGGRGWFPKSYVKIIPGSEVKREEPEALYAAVNKKPTS 956
```

Qy   259 LLDGWKDD---VTGYFPSMYLQ-KSGQDVSQ 285
              ||:| ||||||||||| |:||
Db   217 DPDWWQGEINGVTGLFPSNYVKMTTDSDPSQ 247

RESULT 15
US-09-879-957-40
; Sequence 40, Application US/09879957
; Patent No. 6709821
; GENERAL INFORMATION:
;   APPLICANT: SPARKS, Andrew B.
;   APPLICANT: HOFFMAN, No. 6709821h
;   APPLICANT: KAY, Brian K.
;   APPLICANT: FOWLKES, Dana M.
;   APPLICANT: McCONNELL, Stephen J.
;   TITLE OF INVENTION: POLYPEPTIDES HAVING A FUNCTIONAL
;   TITLE OF INVENTION: DOMAIN OF INTEREST AND METHODS OF IDENTIFYING AND
;   TITLE OF INVENTION: USING SAME
;   NUMBER OF SEQUENCES: 227
;   CORRESPONDENCE ADDRESS:
;   ADDRESSEE: Pennie & Edmonds LLP
;   STREET: 1155 Avenue of the Americas
;   CITY: New York
;   STATE: New York
;   COUNTRY: USA
;   ZIP: 10036-2711
;   COMPUTER READABLE FORM:
;   MEDIUM TYPE: Floppy disk
;   COMPUTER: IBM PC compatible
;   OPERATING SYSTEM: PC-DOS/MS-DOS
;   SOFTWARE: PatentIn Release #1.0, Version #1.30
;   CURRENT APPLICATION DATA:
;   APPLICATION NUMBER: US/09/879,957
;   FILING DATE: 13-Jun-2001
;   CLASSIFICATION: <Unknown>
;   PRIOR APPLICATION DATA:
;   APPLICATION NUMBER: US 08/630,915
;   FILING DATE: 03-APR-1996
;   ATTORNEY/AGENT INFORMATION:
;   NAME: Misrock, S. Leslie
;   REGISTRATION NUMBER: 18,872
;   REFERENCE/DOCKET NUMBER: 1101-174
;   TELECOMMUNICATION INFORMATION:
;   TELEPHONE: (212) 790-9090
;   TELEFAX: (212) 869-8864/9741
;   TELEX: 66141 PENNIE
; INFORMATION FOR SEQ ID NO: 40:
;   SEQUENCE CHARACTERISTICS:
;   LENGTH: 248 amino acids
;   TYPE: amino acid
;   STRANDEDNESS: <Unknown>
;   TOPOLOGY: unknown
;   MOLECULE TYPE: peptide
;   SEQUENCE DESCRIPTION: SEQ ID NO: 40:
US-09-879-957-40

Query Match   8.7%;   Score 176.5; DB 4; Length 248;
Best Local Similarity   28.0%; Pred. No. 3.6e-09;
Matches   59; Conservative   37; Mismatches   68; Indels   47; Gaps   11;

Qy   114 LLDFFKVRPDDLKLPTDNQ---TKK------------PETYLMPKD------GKS 147
          : ||| || :: ::| | | :|| :|| |||
Db   45 LYPYSSVEPGDLTFTEGEILVTQKDGEWTTGSIGDRSGIFPSNYVKPKDQESFGSASKS 104

Qy   148 TATDITGPIILQTYRAIANYEKTSGSEMALSTGDVVEVEKSESGWFCQMKAK-----R 202
          |:| || : ::| || |||:| ||| :|| |:|
Db   105 GASN--KKPEIAQVTSA---YVASGSEQLSLAPGQLILILKKNTSGWWQGELQARGKKRQK 160

Qy   203 GWIPASFLEPLDSPDETEDPEPNYAGBP---YVAIKAYTAVEGDEVSLLEGEAVEVIHK- 258
          || ||| :: ::   :|:: || ||:||||||||||||||||:
Db   161 GWFPASHVKLLGPSSERATP----AFHPVCQVIAMYDYAANNEDELSFSKGQLINVMNKD 216

Qy   259 LLDGWKDD---VTGYFPSMYLQ-KSGQDVSQ 285

Qy   228 -----GEPYVAIKAYTAVEGDEVSLLEGEAVEVIHKLLDGWK---DDVTGYFPSMYLQKS 279
              || || :: ::| | | :||
Db   957 AAYSVGEEYIALYPYSSVEPGDLTFTEGEILVTQKDGEWTTGSIGDRSGIFPSNYVKPK 1016

Qy   280 GQDVSQAQRQIKRGAPPRRSSIRNAHSIHQRS 311
          |:| :|
Db   1017 DQESFGSAS--KSGGASNKKPEIAQVTSAYVAS 1046

RESULT 14
US-08-630-915A-40
; Sequence 40, Application US/08630915A
; Patent No. 6309820
; GENERAL INFORMATION:
;   APPLICANT: SPARKS, Andrew B.
;   APPLICANT: HOFFMAN, No. 6309820h
;   APPLICANT: KAY, Brian K.
;   APPLICANT: FOWLKES, Dana M.
;   APPLICANT: McCONNELL, Stephen J.
;   TITLE OF INVENTION: POLYPEPTIDES HAVING A FUNCTIONAL
;   TITLE OF INVENTION: DOMAIN OF INTEREST AND METHODS OF IDENTIFYING AND
;   TITLE OF INVENTION: USING SAME
;   NUMBER OF SEQUENCES: 227
;   CORRESPONDENCE ADDRESS:
;   ADDRESSEE: Pennie & Edmonds LLP
;   STREET: 1155 Avenue of the Americas
;   CITY: New York
;   STATE: New York
;   COUNTRY: USA
;   ZIP: 10036-2711
;   COMPUTER READABLE FORM:
;   MEDIUM TYPE: Floppy disk
;   COMPUTER: IBM PC compatible
;   OPERATING SYSTEM: PC-DOS/MS-DOS
;   SOFTWARE: PatentIn Release #1.0, Version #1.30
;   CURRENT APPLICATION DATA:
;   APPLICATION NUMBER: US/08/630,915A
;   FILING DATE: 03-APR-1996
;   CLASSIFICATION: 536
;   ATTORNEY/AGENT INFORMATION:
;   NAME: Misrock, S. Leslie
;   REGISTRATION NUMBER: 18,872
;   REFERENCE/DOCKET NUMBER: 1101-174
;   TELECOMMUNICATION INFORMATION:
;   TELEPHONE: (212) 790-9090
;   TELEFAX: (212) 869-8864/9741
;   TELEX: 66141 PENNIE
; INFORMATION FOR SEQ ID NO: 40:
;   SEQUENCE CHARACTERISTICS:
;   LENGTH: 248 amino acids
;   TYPE: amino acid
;   STRANDEDNESS:
;   TOPOLOGY: unknown
;   MOLECULE TYPE: peptide
US-08-630-915A-40

Query Match   8.7%;   Score 176.5; DB 3; Length 248;
Best Local Similarity   28.0%; Pred. No. 3.6e-09;
Matches   59; Conservative   37; Mismatches   68; Indels   47; Gaps   11;

Qy   114 LLDFFKVRPDDLKLPTDNQ---TKK------------PETYLMPKD------GKS 147
          : ||| || :: ::| | | :|| :|| |||
Db   45 LYPYSSVEPGDLTFTEGEILVTQKDGEWTTGSIGDRSGIFPSNYVKPKDQESFGSASKS 104

Qy   148 TATDITGPIILQTYRAIANYEKTSGSEMALSTGDVVEVEKSESGWFCQMKAK-----R 202
          |:| || : ::| || |||:| ||| :|| |:|
Db   105 GASN--KKPEIAQVTSA---YVASGSEQLSLAPGQLILILKKNTSGWWQGELQARGKKRQK 160

Qy   203 GWIPASFLEPLDSPDETEDPEPNYAGBP---YVAIKAYTAVEGDEVSLLEGEAVEVIHK- 258
          || ||| :: ::   :|:: || ||:||||||||||||||||:
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Db   217 DPDWWQGEINGVTGLFPSNYVKMTTDSDPSQ 247

Search completed: April 25, 2005, 11:07:07
Job time : 58 secs

GenCore version 5.1.6
Copyright (c) 1993 - 2005 Compugen Ltd.

OM nucleic - nucleic search, using sw model

Run on: April 25, 2005, 08:46:32 ; Search time 808 Seconds
(without alignments)
10383.902 Million cell updates/sec

Title: US-10-767-341-1
Perfect score: 1382
Sequence: 1 cctggaagtgccagggagca.........aaaaaaaaaaaaaaaa 1382

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 563728 seqs, 3035525691 residues

Total number of hits satisfying chosen parameters: 11267456

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database :   Published Applications_NA:*
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9: /cgm2_6/ptodata/2/pubpna/US08_PUBCOMB.seq:*
10: /cgm2_6/ptodata/2/pubpna/US09B_PUBCOMB.seq:*
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21: /cgm2_6/ptodata/2/pubpna/US60_NEW_PUB.seq:*
22: /cgm2_6/ptodata/2/pubpna/US60_PUBCOMB.seq:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	% Query Match	Match Length	DB	ID	Description
1	1382	100.0	1382	16	US-10-109-856-1	Sequence 1, Appli
2	1382	100.0	1382	18	US-10-767-341-1	Sequence 1, Appli
3	1356.8	98.2	1464	18	US-10-755-889-450	Sequence 450, App
4	1348.8	97.6	1744	18	US-10-723-860-6120	Sequence 6120, Ap
5	1303.8	94.3	1349	17	US-10-437-427-5	Sequence 5, Appli
6	1303.8	94.3	1349	17	US-10-641-643-1176	Sequence 1176, Ap
7	1303.8	94.3	1349	18	US-10-717-597-232	Sequence 232, App
8	1303.8	94.3	1349	18	US-10-775-169-110	Sequence 110, App
9	1293.8	93.6	1340	17	US-10-418-036-17	Sequence 17, Appli
10	758.6	54.9	1349	17	US-10-437-427-1	Sequence 1, Appli
11	758.2	54.9	1331	17	US-10-437-427-3	Sequence 3, Appli

12	520	37.6	545	18	US-10-723-860-1749	Sequence 1749, Ap
13	360	26.0	402	15	US-10-202-724-2	Sequence 2, Appli
14	323.8	23.4	425	9	US-09-925-299-448	Sequence 448, App
15	323.8	23.4	425	10	US-09-925-299-448	Sequence 448, App
16	313.6	22.7	354	14	US-10-066-543-2155	Sequence 2155, Ap
17	280.6	20.3	18853	16	US-10-723-860-6120	Sequence 6120, Ap
18	280.6	20.3	18853	18	US-10-767-341-3	Sequence 3, Appli
19	275	19.9	17302	17	US-10-109-856-3	Sequence 3, Appli
20	212.2	15.4	569	18	US-10-437-427-8	Sequence 8, Appli
21	212.2	15.4	569	18	US-10-430-201-2337	Sequence 2337, Ap
22	192.4	13.9	569	18	US-10-430-201-2338	Sequence 2338, Ap
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23	192.4	13.9	781	18	US-10-363-345A-1135	Sequence 1135, Ap
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24	192.4	13.9	781	18	US-10-363-345A-1135	Sequence 1135, Ap
25	192.4	13.9	781	19	US-10-363-483A-1135	Sequence 1135, Ap
26	166.4	12.0	781	18	US-10-363-483A-1136	Sequence 1136, Ap
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27	166.4	12.0	781	18	US-10-363-345A-1134	Sequence 1134, Ap
28	166.4	12.0	781	19	US-10-363-345A-1133	Sequence 1133, Ap
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29	166.4	12.0	781	19	US-10-363-483A-1134	Sequence 1134, Ap
c
30	141.4	10.2	780	18	US-10-363-483A-1133	Sequence 1133, Ap
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31	141.4	10.2	780	18	US-10-363-345A-4365	Sequence 4365, Ap
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34	134.4	9.7	780	18	US-10-363-345A-4367	Sequence 4367, Ap
c
35	134.4	9.7	780	18	US-10-363-345A-4368	Sequence 4368, Ap
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c
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38	128.2	9.3	3375	11	US-09-997-722-75	Sequence 75, Appl
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40	124.4	9.0	3534	17	US-10-161-927-59	Sequence 59, Appl
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41	122.6	8.9	26650	13	US-10-087-192-619	Sequence 619, App
42	119.2	8.6	870	9	US-09-808-701-4	Sequence 4, Appli
43	119.2	8.6	870	14	US-10-233-131-4	Sequence 4, Appli
44	119.2	8.6	870	18	US-10-240-145-30	Sequence 30, App
45	117.2	8.5	3251	17	US-10-094-749-937	Sequence 937, App

ALIGNMENTS

RESULT 1
US-10-109-856-1

; Sequence 1, Application US/10109856
; Publication No. US20030166185A1
; GENERAL INFORMATION:
; APPLICANT: SHAO, Wei et al.
; TITLE OF INVENTION: ISOLATED HUMAN ENZYME PROTEINS, NUCLEIC
; TITLE OF INVENTION: ACID MOLECULES ENCODING HUMAN ENZYME PROTEINS, AND USES
; TITLE OF INVENTION: THEREOF
; FILE REFERENCE: CL001198DIV
; CURRENT APPLICATION NUMBER: US/10/109,856
; CURRENT FILING DATE: 2002-04-01
; PRIOR APPLICATION NUMBER: 09/820,005
; PRIOR FILING DATE: 2001-03-29
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 1
; LENGTH: 1382
; TYPE: DNA
; ORGANISM: Homo sapien
US-10-109-856-1

Query Match   100.0%; Score 1382; DB 16; Length 1382;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1382; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy   1 CCTGGAAGTGCCAGGGAGCACTGGAGCCACCAGTCATGGGGACACCTTCATCCGTCA 60
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Db   1 CCTGGAAGTGCCAGGGAGCACTGGAGCCACCAGTCATGGGGACACCTTCATCCGTCA 60

Qy   61 CATCGCCCTGCTGGGCTTTGAGAAGCGCTTCGTACCCAGCCAGCACTATGTGTACATGTT 120
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Qy  121 CCTGGTGAAATGGCAGGACCTGTCGGAGAAGGTGGTCTACCGGCGCTTCACCGAGATCTA 180
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Db  121 CCTGGTGAAATGGCAGGACCTGTCGGAGAAGGTGGTCTACCGGCGCTTCACCGAGATCTA 180

Qy  181 CGAGTTCCATAAAACCTTAAAAGAAAATGTTCCCTATTGAGGCAGGGGCGATCAATCCAGA 240
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Db  181 CGAGTTCCATAAAACCTTAAAAGAAAATGTTCCCTATTGAGGCAGGGGCGATCAATCCAGA 240

Qy  241 GAACAGGATCATCCCCACCTCCCAGTCGTTGACGTGTTGACGGGCAGCGGCCGCCGA 300
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Qy  721 TGAGCCATACGTCGCCATCAAGGCCTACACACTGCTGTGTGGAGGGGACGAGGTGTCCCTGCT 780
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Qy  781 CGAGGGTGAAGCTGTTGAGGTCATTCACAAGCTCCTGGACGCGTCGGAAAGACGACGTCAC 840
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Db  781 CGAGGGTGAAGCTGTTGAGGTCATTCACAAGCTCCTGGACGCGTCGGAAAGACGACGTCAC 840

Qy  841 AGGCTACTTCCCGTCCATGTACCTGCAAAAGTCAGGGCAAGACGTGTCCCAAGCGTCCCAACG 900
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Db  841 AGGCTACTTCCCGTCCATGTACCTGCAAAAGTCAGGGCAAGACGTGTCCCAAGCGTCCCAACG 900

Qy  901 CCAGATCAAGCGGGGGGCGCCGCCCAGGTCGTCCATCCGCAACGCGCACAGCATCCA 960
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Db  961 CCAGGCGGTCGCGGAGACGCGCCTCAGCGCGGCGCCTCAGCGACGCGGCCGCGTCCGTTTTCT 1020

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Db 1021 GCAGCAGCGACGCAGCGCCTCAGCGGCGCGGCCGGCCCGAGAGCGGGAGCCCGCCGA 1080

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Qy 1141 CCTCATCCTGAACCGCTCGAGCGCTGCGAGCGGAAGCTGGCCGTCTGCGTCTCGAGG 1200
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RESULT 2
US-10-767-341-1

; Sequence 1, Application US/10767341
; Publication No. US20040132084A1
; GENERAL INFORMATION:
; APPLICANT: SHAO, Wei et al.
; TITLE OF INVENTION: ISOLATED HUMAN ENZYME PROTEINS, NUCLEIC
; TITLE OF INVENTION: ACID MOLECULES ENCODING HUMAN ENZYME PROTEINS, AND USES
; TITLE OF INVENTION: THEREOF
; FILE REFERENCE: CL001198DIV-II
; CURRENT APPLICATION NUMBER: US/10/767,341
; CURRENT FILING DATE: 2004-01-30
; PRIOR APPLICATION NUMBER: 09/820,005
; PRIOR FILING DATE: 2001-03-29
; PRIOR APPLICATION NUMBER: 10/109,856
; PRIOR FILING DATE: 2002-04-01
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 1
; LENGTH: 1382
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-767-341-1

  Query Match   100.0%; Score 1382; DB 18; Length 1382;
  Best Local Similarity   100.0%; Pred. No.:0;
  Matches 1382; Conservative   0; Mismatches   0; Indels   0; Gaps   0;

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Db    1 CCTGGAAGTGCCAGGGACTGGAGGCCACCCAGTCATCGGGGACACCTTCATCCGTCA 60

Qy   61 CATCGCCCTGCTGGGCTTTGAGAAGCGCTTCGTGAGAAGCGCTTCGTGACCGAGATCTA 120
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Db   61 CATCGCCCTGCTGGGCTTTGAGAAGCGCTTCGTGAGAAGCGCTTCGTGACCGAGATCTA 120

Qy  121 CCTGGTGAAATGGCAGGACCTGTCGGAGAAGGTGGTCTACCGGCGCTTCACCGAGATCTA 180
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Qy  181 CGAGTTCCATAAAACCTTAAAAGAAAATGTTCCCTATTGAGGCAGGGGCGATCAATCCAGA 240
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Qy  301 GAACCGCCAGGGCACACTTACCGAGTACTGCAGCACGCTCATGACCTGCCCACCAAGAT 360
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Db  421 CACGGACAACCAGACCAGACAAAAAGCCAGAGACATACTTGATGCGCCAAGAGTAC 480
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APPLICANT: Bristol-Myers Squibb Company
TITLE OF INVENTION: POLYNUCLEOTIDES AND POLYPEPTIDES ASSOCIATED WITH THE NF-κB
TITLE OF INVENTION: PATHWAY
FILE REFERENCE: D0284 NP
CURRENT APPLICATION NUMBER: US/10/755,889
CURRENT FILING DATE: 2004-01-13
PRIOR APPLICATION NUMBER: U.S. 60/440,068
PRIOR FILING DATE: 2003-01-14
PRIOR APPLICATION NUMBER: U.S. 60/469,757
PRIOR FILING DATE: 2003-05-12
NUMBER OF SEQ ID NOS: 823
SOFTWARE: PatentIn version 3.2
SEQ ID NO 450
LENGTH: 1460
TYPE: DNA
ORGANISM: Homo sapiens
US-10-755-889-450

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Query Match             98.2%;  Score 1356.8;  DB 18;  Length 1460;
Best Local Similarity   99.0%;  Pred. No. 0;
Matches  1380;  Conservative    0;  Mismatches    2;  Indels   12;  Gaps    1;

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Qy     61 CATCGCCCTGCTGGGCTTTGAGAAGCGCTTCGTACCCAGCCAGCACTATGTGTACATGTT 120
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Db    103 CATCGCCCTGCTGGGCTTTGAGAAGCGCTTCGTACCCAGCCAGCACTATGTGTACATGTT 162

Qy    121 CCTGGTGAAATGGCAGGACCTGTCGGAGAAGGTGTCTCACCGGCGCTTCACCGAGATCTA 180
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    163 CCTGGTGAAATGGCAGGACCTGTCGGAGAAGGTGTCTCACCGGCGCTTCACCGAGATCTA 222

Qy    181 CGAGTTCCATAAAAACCTTAAAAGAGAAATGTTCCCTATTGAGGCAGGGGCGATCAATCCAGA 240
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Qy    241 GAACAGGATCATCCCCACCTCCCAGTCTCCCAAGTGGTTGACGGGCAGCGGCGCCGCCGA 300
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Qy    301 GAACCGCCAGGGCACACTTACCGAGTACTGCGAGCACTTCTTCAAGTGTGCCCACCAAGAT 360
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Qy    361 CTCCCGCTGTCCCCACCTCCTGACTTCTTCAAGGTGCGCCCTGATGACCTCAAGCTCCC 420
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Db    403 CTCCCGCTGTCCCCACCTCCTGACTTCTTCAAGGTGCGCCCTGATGACCTCAAGCTCCC 462

Qy    421 CACGGACAACCAGACAAAAAGCCAGAGACATACTTGATGCCAAAGATGGCAAGAGTAC 480
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Db    463 CACGGACAACCAGACAAAAAGCCAGAGACATACTTGATGCCAAAGATGGCAAGAGTAC 522

Qy    481 CGGCGACAGCATCACCGGCCCCATCATCCTGCAGACGCTACCGCCATTGCCAACTACGA 540
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Qy    541 GAAGACCTCGGGCTTCCGAGATGGCTTCCACCGGAGCGTGTGGAGGTCGTAGAGAA 600
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Db    583 GAAGACCTCGGGCTTCCGAGATGGCTTCCACCGGAGCGTGTGGAGGTCGTAGAGAA 642

Qy    601 GAGCGAGAGCGGCGGTTGGTGGTTCTGTCAGATGAAAGCAAAGCGAGGCTGGATCCCAGCCGTC 660
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Db    643 GAGCGAGAGCGGCGGTTGGTGGTTCTGTCAGATGAAAGCAAAGCGAGGCTGGATCCCAGCCGTC 702

Qy    661 CTTCCTCGAGCCCATATGCTGCCATCAAGGCTCGTGGAGGGGGACGAGGGTGTCCCTGCT 720
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Db    663 CTTCCTCGAGCCCATATGCTGCCATCAAGGCTCGTGGAGGGGGACGAGGGTGTCCCTGCT 721

Qy    721 TGAGCCATACGTCGCCATCAAGGCCATCAAGGCCCCAACTATGCAGG 762
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Db    763 TGAGCCATACGTCGCCATCAAGGCCATCAAGGCCCCAACTATGCAGG 822
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Db                                                                  421
Qy    481 CGGCGACAGCATCACCGGCCCCATCATCCTGCAGACGCTACCGCCATTGCCAACTACGA 540
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    481 CGGCGACAGCATCACCGGCCCCATCATCCTGCAGACGCTACCGCCATTGCCAACTACGA 540

Qy    541 GAAGACCTCGGGCTTCCGAGATGGCTTCCACCGGGAGCGTGTGGAGGTCGTAGAGAA 600
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    541 GAAGACCTCGGGCTTCCGAGATGGCTTCCACCGGGAGCGTGTGGAGGTCGTAGAGAA 600

Qy    601 GAGCGAGAGCGGCGGTTGGTGGTTCTGTCAGATGAAAGCAAAGCGAGGCTGGATCCCAGCCGTC 660
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    601 GAGCGAGAGCGGCGGTTGGTGGTTCTGTCAGATGAAAGCAAAGCGAGGCTGGATCCCAGCCGTC 660

Qy    661 CTTCCTCGAGCCCATATGCTGCCATCAAGGCTCGTGGAGGGGGACGAGGGTGTCCCTGCT 720
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    661 CTTCCTCGAGCCCATATGCTGCCATCAAGGCTCGTGGAGGGGGACGAGGGTGTCCCTGCT 720

Qy    721 TGAGCCATACGTCGCCATCAAGGCCTACACTGCTGTGAGGGGGACGAGGAGGTGTCCCTGCT 780
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    721 TGAGCCATACGTCGCCATCAAGGCCTACACTGCTGTGAGGGGGACGAGGAGGTGTCCCTGCT 780

Qy    781 CGAGGGTGAAGCTGTTCATTCACAAGCTCCTGGACGGCTTGGAAAGACGACGTCAC 840
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    781 CGAGGGTGAAGCTGTTCATTCACAAGCTCCTGGACGGCTTGGAAAGACGACGTCAC 840

Qy    841 AGGCTACTTCCCGTCCATGTACCTGCAAAAGTCAGGGCAAGACGTGTCCAGGCCCACG 900
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    841 AGGCTACTTCCCGTCCATGTACCTGCAAAAGTCAGGGCAAGACGTGTCCAGGCCCACG 900

Qy    901 CCAGATCAAGCAGCGGGGGCGGCCGCTCTAAAACCGCAGGTCGTCCATCCGCAACGCGCACAGCATCCA 960
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    901 CCAGATCAAGCAGCGGGGGCGGCCGCTCTAAAACCGCAGGTCGTCCATCCGCAACGCGCACAGCATCCA 960

Qy    961 CCAGCGGTCGCGGAAGCGCGCCTCAGCCAGGACGCGCTATCGCGCCGCAACAGCGTCCGTTTTCT 1020
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    961 CCAGCGGTCGCGGAAGCGCGCCTCAGCCAGGACGCGCTATCGCGCCGCAACAGCGTCCGTTTTCT 1020

Qy   1021 GCAGCAGCGACGCGCGCCCAGGCGCGGCCGCCAGAGCCCCGGACGCCCCGGAGCCGCCCGA 1080
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   1021 GCAGCAGCGACGCGCGCCCAGGCGCGGCCGCCAGAGCCCCGGACGCCCCGGAGCCGCCCGA 1080

Qy   1081 GGAGCGGCGGCAGACGGCAGCGGCTCTAAACCGCCAGCGGAGCGCGTGCCCCGGCCGGAGCGCCCGA 1140
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   1081 GGAGCGGCGGCAGACGGCAGCGGCTCTAAACCGCCAGCGGAGCGCGTGCCCCGGCCGGAGCGCCCGA 1140

Qy   1141 CCTCATCCTGAACCGCGAGCGGAGCGGAGCACCAAGCGGGAAGCGGCGTCTCGCGTCTCGAGG 1200
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   1141 CCTCATCCTGAACCGCGAGCGGAGCGGAGCACCAAGCGGGAAGCGGCGTCTCGCGTCTCGAGG 1200

Qy   1201 CTGGAGCGCAGTCCCAGCTAGGGTCTCCGGCCCTGCGCCCCCGCGCCGCCGCCTGTATATACGTG 1260
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   1201 CTGGAGCGCAGTCCCAGCTAGGGTCTCCGGCCCTGCGCCCCCGCGCCGCCGCCTGTATATACGTG 1260

Qy   1261 TTCTATAGAGCTTCTTGGAGTCTGCTGACGCTGGCGCTCTGTCCAGCCGCGGCGTC 1320
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   1261 TTCTATAGAGCTTCTTGGAGTCTGCTGACGCTGGCGCTCTGTCCAGCCGCGGCGTC 1320

Qy   1321 CCGCCACCCTCAATAAATGTTGCTTGGAGTGGAAAAAAAAAAAAAAAAAAAAAAAAAAAA 1380
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   1321 CCGCCACCCTCAATAAATGTTGCTTGGAGTGGAAAAAAAAAAAAAAAAAAAAAAAAAAAA 1380

Qy   1381 AA 1382
          ||
Db   1381 AA 1382
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RESULT 3
US-10-755-889-450

Qy   1 CCTGGAAGTGCCAGGGAGCACTGGGAGGCCACCCAGTCATGGGGACACCTTCATCCGTCA   60
         ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   43 CCTGGAAGTGCCAGGGAGCACTGGGAGGCCACCCAGTCATGGGGACACCTTCATCCGTCA 102

Qy   61 CATCGCCCCTGCTGGGCTTTGAGAAGCGCTTCGTACCCAGCCAGCACTACTATGTGTACATGTT 120
         ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db 103 CATCGCCCCTGCTGGGCTTTGAGAAGCGCTTCGTACCCAGCCAGCACTACTATGTGTACATGTT 162

Qy 121 CCTGGTGAAATGGCAGGACCTGTCCGGAGAGGTGGTCACCGGCGCTTCACCGAGATCTA 180
         ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db 163 CCTGGTGAAATGGCAGGACCTGTCCGGAGAGGTGGTCACCGGCGCTTCACCGAGATCTA 222

Qy 181 CGAGTTCCATAAAACCTTAAAAGAAATGTTCCCTATTGAGGCAGGGGCGATCAATCCAGA 240
         ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db 223 CGAGTTCCATAAAACCTTAAAAGAAATGTTCCCTATTGAGGCAGGGGCGATCAATCCAGA 282

Qy 241 GAACAGGATCATCCCCACCTCCCAAGTGGTTGACGGGCAGCGGGCGCCGCCGA 300
         ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db 283 GAACAGGATCATCCCCACCTCCCAAGTGGTTGACGGGCAGCGGGCGCCGCCGA 342

Qy 301 GAACCGCCAGGGCACACTTACCGAGTACTGCAGCACGCTCATGAGCCTGCCCACCAAGAT 360
         ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db 343 GAACCGCCAGGGCACACTTACCGAGTACTGCAGCACGCTCATGAGCCTGCCCACCAAGAT 402

Qy 361 CTCCCGCTGTCCCACCTCCTGACTTCTTCAAGGTGCGCCCTGATGACCTCAAGCTCCC 420
         ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db 403 CTCCCGCTGTCCCACCTCCTGACTTCTTCAAGGTGCGCCCTGATGACCTCAAGCTCCC 462

Qy 421 CACGGACAACCAGACAAAAAGCCAGGACATACTTGATGCCCAAAGATGGCAAGAGTAC 480
         ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db 463 CACGGACAACCAGACAAAAAGCCAGGACATACTTGATGCCCAAAGATGGCAAGAGTAC 522

Qy 481 CGCGACAGACATCACCGGCCCATCATCCTGCGACGTACCGGGGGACGTGGTGGAGTCGTAGAGAA 540
         ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db 523 CGCGACAGACATCACCGGCCCATCATCCTGCGACGTACCGGGGGACGTGGTGGAGTCGTAGAGAA 582

Qy 541 GAAGACCTCGGGCTCGAGATGGCTCTGTCGTCAGATGAAAGCAAAGCGAGGCTGATCCCAGCGTC 600
         ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db 583 GAAGACCTCGGGCTCGAGATGGCTCTGTCGTCAGATGAAAGCAAAGCGAGGCTGATCCCAGCATC 642

Qy 601 GAGGCGAGCGGGTTGGTGGTTCTGTCGTCGTCAGATGAAAGCAAAGCGAGCCCTGAGCCCAACTATGCAGG 660
         ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db 643 GAGGCGAGCGGGTTGGTGGTTCTGTCGTCGTCAGATGAAAGCAAAGCGAGCCCTGAGCCCAACTATGCAGG 702

Qy 661 CTTCCTCGAGCCCCTGACAGTCCTGACAGTCCTGACGAGACGGAAGACCCTGAGCCCAACTATGCAGG 720
         ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db 703 CTTCCTCGAGCCCCTGACAGTCCTGACAGTCCTGACGAGACGGAAGACCCTGAGCCCAACTATGCAGG 762

Qy 721 TGAGCCATACGTCGCCATCAAGGCCTACACTGCTGTGGAGGGGACGAGAGCGTGTCCCTGCT 780
         ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db 763 TGAGCCATACGTCGCCATCAAGGCCTACACTGCTGTGGAGGGGACGAGAGCGTGTCCCTGCT 822

Qy 781 CGAGGGTGAAGCTGTTGAGGTCATTCACAAGCTCCTGGACGGCT----------GGAA 828
         ||||||||||||||||||||||||||||||||||||||||||| |||
Db 823 CGAGGGTGAAGCTGTTGAGGTCATTCACAAGCTCCTGGACGGCTTCGGGGTCATCAGGAA 882

Qy 829 AGACGACGTCACAGGCTACTTCACCTGCAAAAGTCAGGGCAAGAGACGTGTC 888
         ||||||||||||||||||||||||||||||||||||||||||||||||||||
Db 883 AGACGACGTCACAGGCTACTTCACCTGCAAAAGTCAGGGCAAGAGACGTGTC 942

Qy 889 CCAGGCCCAACGCCAGATCAAGCGGGGCGGGCGCGTCCATCCGCAACGC 948
         ||||||||||||||||||||||||||||||||||||||||||||||||||||
Db 943 CCAGGCCCAACGCCAGATCAAGCGGGGCGGGCGCGTCCATCCGCAACGC 1002

Qy 949 GCACAGCATCCACCAGCGGTCGCGGAAGCGCCTATCGCCGCAACAG 1008
         ||||||||||||||||||||||||||||||||||||||||||||||
Db 1003 GCACAGCATCCACCAGCGGTCGCGGAAGCGCCTATCGCCGCAACAG 1062

Qy 1009 CGTCCGTTTTCTGCAGCGAGGAGCGGCGGACGCGCGGGAG 1068
         ||||||||||||||||||||||||||||||||||||||||
Db 1063 CGTCCGTTTTCTGCAGCGAGGAGCGGCGGACGCGCGGGAG 1122

Qy 1069 CCCGCTGCGAGGAGGAGCGGCGAGACGCGCAGCGCGCTCTAAACCCG 1128

Qy 781 CGAGGGTGAAGCTGTTGAGGTCATTCACAAGCTCCTGGACGGCT----------GGAA 828
         ||||||||||||||||||||||||||||||||||||||||||| |||
Db 823 CGAGGGTGAAGCTGTTGAGGTCATTCACAAGCTCCTGGACGGCTTCGGGGTCATCAGGAA 882

Qy 829 AGACGACGTCACAGGCTACTTCACCTGCAAAAGTCAGGGCAAGAGACGTGTC 888
         ||||||||||||||||||||||||||||||||||||||||||||||||||||
Db 883 AGACGACGTCACAGGCTACTTCACCTGCAAAAGTCAGGGCAAGAGACGTGTC 942

Qy 889 CCAGGCCCAACGCCAGATCAAGCGGGGCGGGCGCGTCCATCCGCAACGC 948
         ||||||||||||||||||||||||||||||||||||||||||||||||||||
Db 943 CCAGGCCCAACGCCAGATCAAGCGGGGCGGGCGCGTCCATCCGCAACGC 1002

Qy 949 GCACAGCATCCACCAGCGGTCGCGGAAGCGCCTATCGCCGCAACAG 1008
         ||||||||||||||||||||||||||||||||||||||||||||||
Db 1003 GCACAGCATCCACCAGCGGTCGCGGAAGCGCCTATCGCCGCAACAG 1062

Qy 1009 CGTCCGTTTTCTGCAGCGAGGAGCGGCGGACGCGCGGGAG 1068
         ||||||||||||||||||||||||||||||||||||||||
Db 1063 CGTCCGTTTTCTGCAGCGAGGAGCGGCGGACGCGCGGGAG 1122

Qy 1069 CCCGCTGCGAGGAGGAGCGGCGAGACGCGCAGCGCGCTCTAAACCCG 1128

Qy 1129 GCCGAGCGCGCCGACCTCATCCTGCAGCGAGAGCGACCGGAAGCGGAAGTGGCGTC 1188
         ||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db 1183 GCCGAGCGCGCCGACCTCATCCTGCAGCGAGAGCGAGAGCGGAAGCGGAAGTGGCGTC 1242

Qy 1189 TGCCGTCTGGAGGCTGGAGCGTCCCCAGCTAGCGTCTCGGCGTCTCGGCCCTTGCGCCCCGTGCC 1248
         ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db 1243 TGCCGTCTGGAGGCTGGAGCGTCCCCAGCTAGCGTCTCGGCGTCTCGGCCCTTGCGCCCCGTGCC 1302

Qy 1249 TGTATATACGTGTTCTATAGAGCCTCAATAAATAATGTTGCTTGAGTGAAATAAATGTTGCTTGAGTGAAGAA 1308
         ||| |||||||||||||||||||||||||||||||||||||||||||||||||||||
Db 1303 TGTACATACGTGTTCTATAGAGCCTCAATAAATAATGTTGCTTGAGTGAAATAAATGTTGCTTGAGTGAAGAA 1362

Qy 1309 CCAGGCGCGGCTCCCGGCTCCCGCCACCCTCAATAAATAATGTTGCTTGAGTGAAATGTGAAGTGA 1368
         ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db 1363 CCAGGCCCAACGCGCGGCTCCCGCCACCCTCAATAAATAATGTTGCTTGAGTGAAATGTGAAGTGA 1422

Qy 1369 AAAAAAAAAAAA 1382
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Db 1423 AAAAAAAAAAAA 1436

RESULT 4
US-10-723-860-6120
; Sequence 6120, Application US/10723860
; Publication No. US20040253606A1
; GENERAL INFORMATION:
; APPLICANT: Aziz, Natasha
; APPLICANT: Ginsburg, Wendy M.
; APPLICANT: Zlotnik, Albert
; TITLE OF INVENTION: Methods of Diagnosis of Soft Tissue Sarcoma, Compositions &
; TITLE OF INVENTION: Methods for Screening for Soft Tissue Sarcoma Modulators
; FILE REFERENCE: 05882.0193.NPUS01
; CURRENT APPLICATION NUMBER: US/10/723,860
; CURRENT FILING DATE: 2003-11-26
; PRIOR APPLICATION NUMBER: 60/429,739
; PRIOR FILING DATE: 2002-11-26
; NUMBER OF SEQ ID NOS: 8393
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 6120
; LENGTH: 1744
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-723-860-6120

  Query Match   97.6%;   Score 1348.8;   DB 18;   Length 1744;
  Best Local Similarity   98.6%;   Pred. No. 0;
  Matches 1375;   Conserve   0;   Mismatches   7;   Indels   12;   Gaps   1;
  Matches 1375;   Conservative   0;   Mismatches   7;   Indels   12;   Gaps   1;

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Db   301 ACTTACCGAGTACTGCGAGCACGCTCATGAGCCTGCGCCACCAGGTCCCGCTGTCCCCA 360
         |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db  1123 CCGCCTCGAGGAGGAGGCGGCGAGACGAGGCAGCGCTCTAAACCGCAGCCGCGGCGCCGCG 1182

Qy   376 CCTCCTCGACTTCTTCAAGTGCGCCTGATGACCTCAAGCTCCCACGGACAACCAGAC 435
         |||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Qy  1129 GCCGAGCGGCCGACCTCATCCTGACACCGCTGCAGCGGAGCAGCGGCAGCCGGAAGTTGGCGTC 1188

Db   361 CCTCCTCGACTTCTTCAAGTGCGCCTGATGACCTCAAGCTCCCACGGACAACCAGAC 420
Db  1183 GCCGAGCGGCCGACCTTCATCCTGACACCGCTGCAGCGGAGCAGCGGCAGCCGGAAGCGGAAGCGGTC 1242

Qy   436 AAAAAGCCAGAGACATACTTGATGCCCAAAGATGGCCAAGAGTACCGCCGACATCAC 495
         ||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Qy  1189 TGCCGTCTCGAGGCTGGAGGCAGTCCCAGCCAGCTAGCGTCTCGGCCGTCTTGCCGCCCCGTGCC 1248

Db   421 AAAAAGCCAGAGACATACTTGATGCCCAAAGATGGCCAAGAGTACCGCCGACATCAC 480
Db  1243 TGCCGTCTCGAGGCTGGAGGCAGTCCCAGCTAGCGTCTCGGCCGTCTTCGGCCCCCGTGCC 1302

Qy   496 CGGCCCCATCATCCTGCAGACGCGCCATTGCCAACTACGAGAAGACCTCGGGCTC 555
         |||||||||||||||||||||||||||||||||||||||||||||||||||||||
Qy  1249 TGTATATACGTGTTCTATAGAGCCTCGGACGCGGAGGCGCCGAGGGAGCCCCGACCCCTGT 1308

Db   481 CGGCCCCATCATCCTGCAGACGCGCCATTGCCGACTACGAGAAGACCTCGGGCTC 540
Db  1303 TGTACATACGTGTTCTATAGAGCCTCGGACGCGGAGGCGCCGAGGGAGCAGCCCGACCCCTGT 1362

Qy   556 CGAGATGGCTCGTCACGGGGAGTGGTGGAGTCGTGTGAGGTCGTGGAGGAGCCGTTG 615
         |||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Qy  1309 CCAGCGCGGCTCCGCCACCCTCAATAAATGTTGCTTGGAGTGGAAAAAAAAAAAAAAAA 1368

Db   541 CGAGATGGCTCGTGTCACGGGGACGTGGTGGAGTGTGTGGAGGAGCGAGCGGTTG 600
Db  1363 CCAGCGCGGCTCCCAGCTCCCAGCCACCCTCAATAAATGTTGCTTGGAGTGGAAAAAAAAAAAAAAAA 1422

Qy   616 GTGGTTCTGTCAGATGAAAGCAAAGCAGGAGACCCTGAGCCCAACTATGCAGGTGAGCCATACGTCGC 675
         ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Qy  1369 AAAAAAAAAAAAAAAA 1382

Db   601 GTGGTTCTGTCAGATGAAAGCAAAGCAGGAGACGAGGAGACCCTGATCCTGAGCCCAACTATGCAGGTGAGCCATACGTCGC 660
Db  1423 AAAAAAAAAAAAAAAA 1436

Qy   676 GGACAGTCCTGACGAGACGGAAGACGGAGACCCTGAGCCAACTATGCAGGTGAGCCATACGTCGC 735
         |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   661 GGACAGTCCTGACGAGACGGAAGACGGAGACCCTGAGCCAACTATGCAGGTGAGCCATACGTCGC 720

Qy   736 CATCAAGGCTACACTGCGTGTGGAGGGGACGAGGGTGTCCCTGCTCGAGGGTGAAGCTGT 795
         ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   721 CATCAAGGCCTACACTGCGTGTGGAGGGGGACGAGGGTGTCCCTGCTCGAGGGTGAAGCTGT 780

Qy   796 TGAGGTCATTCACAAGCTCCTGACGGCT--------GGAAAGACGACGTCACAGG 843
         ||||||||||||||||||||||||||||||||        |||||||||||||||
Db   781 TGAGGTCATTCACAAGCTCCTGACGGCTCGTGTGGGTCATCAGGAAGACGACGTCACAGG 840

Qy   844 CTACTTCCCGTCCATGTACCTGCAAAAGTCAGGGCAAGACGTGTCCAGGCCCAAGCCA 903
         ||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   841 CTACTTCCCGTCCATGTACCTGCAAAAGTCGGGGCAAGACGTGTCCCAGGCCCAAGCCA 900

Qy   904 GATCAAGCGGGGGCCGCGCCCCGGGCCGCCGGAGCGGCTCAGCAGCGCCACAGCATCCACCA 963
         ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   901 GATCAAGCGGGGGCCGCGCCCCGGGCCGCCGGAGCGGCTCAGCAGCGCCACAGCATCCATCA 960

Qy   964 GCGGTCGCGGAAGCGCCTCAGCCAGGACGCGCTCATCCGCCGCAACAGCGTCCGTTTTCTGCA 1023
         ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   961 GCGGTCGCGGAAGCGCCTCAGCCAGGACGCGCTCATCGCCGCAACAGCGTCCGTTTTCTGCA 1020

Qy  1024 GCAGGCACGCGCCGCAGGCGGCGGCCGGGAGCGCCGGAGAGGA 1083
         |||||||||||||||||||||||||||||||||||||||||||
Db  1021 GCAGGGACGCGCCGCAGGCGGCGGCCGGGAGCGCCGGAGAGGA 1080

Qy  1084 GCGGCAGACGACGGACGCGCTCTAAACCGCAGCGGCGGCCCGCGCGCCGCCACCT 1143
         ||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db  1081 GCGGCAGACGACGGACGCGCTCTAAACCGCAGCGGCGGCCCGCGCGCCGCCACCT 1140

Qy  1144 CATCCTGAACCGCTGCAGAGACACCAAGCGGAAGCTGGCCGTCTGCCGAGGCTG 1203
         ||||||||||||||||||||||||||||||||||||||||||||||||||||
Db  1141 CATCCTGAACCGCTGCAGAGACACCAAGCGGAAGCTGGCCGTCTGCCGAGGCTG 1200

Qy  1204 GAGGCAGTCCCCAGTAGGCTGTCTCGGCCCTTGCGCGCCCGTGTATATACGTGTTC 1263
         |||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db  1201 GAGCCAGTCCCCAGCTAGGCTTCTCGGCCCTTGCGCGCCCGTGTATACATACGTGTTC 1260

Qy  1264 TATAGAGCCTGGCGTCTGGACGCGGAGGCGCCGAGGGCAGCCCTGCTCCAGGCGGCGCCCCG 1323
         |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db  1261 TATAGAGCCTGGCGTCTGGACGCGGAGGCGCCGAGGGCAGCCCTGCTCCAGGCGGCGCCCCG 1320

Qy  1324 CCACCCTCAATAAATGTTGCTTGGAGTGG 1352
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Db  1321 CCACCCTCAATAAATGTTGCTTGGAGTGG 1349
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RESULT 5

US-10-437-427-5

; Sequence 5, Application US/10437427
; Publication No. US2004009901A1
; GENERAL INFORMATION:
; APPLICANT: Rikard Holmdahl
; APPLICANT: Peter Olofsson
; TITLE OF INVENTION: Autoimmune Conditions and NADPH Oxidase
; TITLE OF INVENTION: Defects
; FILE REFERENCE: 11145-024001
; CURRENT APPLICATION NUMBER: US/10/437,427
; CURRENT FILING DATE: 2003-05-13
; PRIOR APPLICATION NUMBER: US 60/380,904
; PRIOR APPLICATION FILING DATE: 2002-05-13
; PRIOR APPLICATION NUMBER: US 60/429,609
; PRIOR APPLICATION FILING DATE: 2002-11-27
; NUMBER OF SEQ ID NOS: 8
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 5
; LENGTH: 1349
; TYPE: DNA
; ORGANISM: Homo sapiens

US-10-437-427-5

Query Match   94.3%;   Score 1303.8;   DB 17;   Length 1349;
Best Local Similarity   98.6%;   Pred. No. 0;
Matches 1330;   Conservative   0;   Mismatches   0;   Indels   12;   Gaps   1;

US-10-437-427-5

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Qy   16 GAGCACTGGAGGCCACCCAGTCATGGGGACACCTTCATCCGTCACATCGCCCTGCTGGG 75
         |||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    1 GAGCACTGGAGGCCACCCAGTCATGGGGACACCTTCATCCGTCACATCGCCCTGCTGGG 60

Qy   76 CTTTGAGAGCGCTTCGTTCACCAGCCAGCACTATGTGTACATGTTCCTGGTGAAATGGCA 135
         ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   61 CTTTGAGAGCGCTTCGTTCACCAGCCAGCACTATGTGTACATGTTCCTGGTGAAATGGCA 120

Qy  136 GGACCTGTCGGAGAAGGTGTCTACCGGCGCTTCACCGGGATCCAGGAGTTCCATAAAAC 195
         |||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db  121 GGACCTGTCGGAGAAGGTGTCTACCGGCGCTTCACCGGGATCCAGGAGTTCCATAAAAC 180

Qy  196 CTTAAAAGAAATGTTCCCTATTGAGGCCAGGGGCGATCAATCCAGAGAACAGGATCATCCC 255
         |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db  181 CTTAAAAGAAATGTTCCCTATTGAGGCCAGGGGCGATCAATCCAGAGAACAGGATCATCCC 240

Qy  256 CCACCTCCAGCTCCCAGTGGTTGACGGGCAGCGGGGCAGCGGCGCCGGAACCGCCCAGGGCAC 315
         |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db  241 CCACCTCCCAGCTCCCAAGTGGTTGACGGGCAGCGGGGCAGCGGCGCCGGAACCGCCCAGGGCAC 300

Qy  316 ACTTACCGAGTACTGCGAGCACGCTCATGAGCCTGCGCCACCAAGATCTCCCGCTGTCCCCA 375
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RESULT 6

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US-10-641-643-1176
; Sequence 1176, Application US/10641643
; Publication No. US20040077003A1
  GENERAL INFORMATION:
     APPLICANT: Cocks, Benjamin G.
                Stuart, Susan G.
                Jeffrey J. Seilhamer
     TITLE OF INVENTION: COMPOSITION FOR THE DETECTION OF BLOOD CELL
                         GENE EXPRESSION
     NUMBER OF SEQUENCES: 1508
     CORRESPONDENCE ADDRESS:
        ADDRESSEE: INCYTE PHARMACEUTICALS, INC.
        STREET: 3174 PORTER DRIVE
        CITY: PALO ALTO
        STATE: CALIFORNIA
        COUNTRY: USA
        ZIP: 94304
     COMPUTER READABLE FORM:
        MEDIUM TYPE: Floppy disk
        COMPUTER: IBM PC compatible
        OPERATING SYSTEM: PC-DOS/MS-DOS
        SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2
     CURRENT APPLICATION DATA:
        APPLICATION NUMBER: US/10/641,643
        FILING DATE: 14-Aug-2003
        CLASSIFICATION: <Unknown>
     PRIOR APPLICATION DATA:
        APPLICATION NUMBER: <Unknown>
        FILING DATE: <Unknown>
     ATTORNEY/AGENT INFORMATION:
        NAME: Zeller, Karen J.
        REGISTRATION NUMBER: 37,071
        REFERENCE/DOCKET NUMBER: PA-0001 US
     TELECOMMUNICATION INFORMATION:
        TELEPHONE: (650) 855-0555
        TELEFAX: (650) 845-4166
  INFORMATION FOR SEQ ID NO: 1176:
     SEQUENCE CHARACTERISTICS:
        LENGTH: 1349 base pairs
        TYPE: nucleic acid
        STRANDEDNESS: single
        TOPOLOGY: linear
     IMMEDIATE SOURCE:
        LIBRARY: GENBANK
        CLONE: g189050
     SEQUENCE DESCRIPTION: SEQ ID NO: 1176 :
US-10-641-643-1176

Query Match        94.3%;   Score 1303.8;   DB 17;   Length 1349;
Best Local Similarity 98.6%;   Pred. No. 0;
Matches 1330;   Conservative   0;   Mismatches   7;   Indels   12;   Gaps   1;

Qy     16 GAGCACTGGAGCCACCCAGTCACCGGGGGACAGCCTCATGGGGGACACCTTCATCCGTCACATCGCCCTGCTGGG 75
          |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db      1 GAGCACTGGAGCCACCCAGTCATCGGGGGACAGCCTCATGGGGGACACCTTCATCCGTCACATCGCCCTGCTGGG 60

Qy     76 CTTTGAGAGCGCTTCGTACCCAGCCAGCACTATGTGTACATGTTCCTGGTGAAATGCA 135
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db     61 CTTTGAGAGCGCTTCGTACCCAGCCAGCACTATGTGTACATGTTCCTGGTGAAATGCA 120

Qy    136 GGACCTGTCGGAGAAGGTGGTCTACCGGCCGCTTCACCGAGGATCCGAGCTAGCAGTTCCATAAAAC 195
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    121 GGACCTGTCGGAGAAGGTGGTCTACCGGCCGCTTCACCGAGGATCCGAGCTAGCAGTTCCATAAAAC 180

Qy    196 CTTAAAAGAAAATGTTCCCTATTGAGGCAGGGGCGATCAATCCAGAGAACAGGATCATCCC 255
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    181 CTTAAAAGAAAATGTTCCCTATTGAGGCAGGGGCGATCAATCCAGAGAACAGGATCATCCC 240

Qy    256 CCACCTCCCAGTCCCAAGTCCCAAGTGGTTTGACGGGCCAGCGGCGGCCGCCGAGAACCGCCAGGGCAC 315
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    241 CCACCTCCCAGTCCCAAGTCCCAAGTGGTTTGACGGGCCAGCGGCGGCCGCCGAGAACCGCCAGGGCAC 300

Qy    316 ACTTACCGAGTACTGCGACACGCTCATGAGCCGTCGCCACCAAGATCTCCCGCTGTCCCCA 375
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          |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    301 ACTTACCGAGTACTGCGACACGCTCATGAGCCGTCGCCACCAAGATCTCCCGCTGTCCCCA 360

Qy    376 CCTCCTGACTTCTTCAAGGTGCGCCCTGATGACCTCAAGCTCCCACGGACAACCAGAC 435
          |||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    361 CCTCCTGACTTCTTCAAGGTGCGCCCTGATGACCTCAAGCTCCCACGGACAACCAGAC 420

Qy    436 AAAAAGCCAGAGACATACTTGATGCCCAAAGATGGCAAGAGTACCGGACAGACATCAC 495
          |||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    421 AAAAAGCCAGAGACATACTTGATGCCCAAAGATGCAAGAGTACCGGACAGACATCAC 480

Qy    496 CGGCCCCATCATCCTGCAGACGTACCGGCCATTGCCAACTACGAGAAGAACCTCGGGCTC 555
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    481 CGGCCCCATCATCCTGCAGACGTACCGGCCATTGCCGACTACGAGAAGAACCTCGGGCTC 540

Qy    556 CGAGATGGCTCTGTCCACGGGGGACGTGGTGGAGGTCGTAGAGAGAGGCGAGAGCCGGTTG 615
          |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    541 CGAGATGGCTCTGTCCACGGGGGACGTGGTGGAGGTCGTGGAGAAGAGCGAGAGCCGGTTG 600

Qy    616 GTGGTTCTGTCAGATGAAAGCAAAGCGAGGCTGATCCCAGCGTCCTTCCTCGAGCCCCT 675
          |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    601 GTGGTTCTGTCAGATGAAAGCAAAGCGAGGCTGGATCCCAGCATCCTTCCTCGAGCCCCT 660

Qy    676 GGACAGTCCTGACGAGACGGAAGACCCTGAGCCCAACTATGCAGTGAGCCATACGTCGC 735
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    661 GGACAGTCCTGACGAGACCGGAAGACCCTGAGCCCAACTATGCAGTGAGCCATACGTCGC 720

Qy    736 CATCAAGGCCTACACTGCTGTGGAGGGGACGAGAGGTGTCCCTGCTGCAGGGTGAAGCTGT 795
          |||||||||||||||||||||||||||||||||||||||||||| ||||||||||||||
Db    721 CATCAAGGCCTACACTGCTGTGGAGGGGACGAGAGGTGTCCCTGCTGCAGGGTGAAGCTGT 780

Qy    796 TGAGTCATTCACAAGCTCCTGACGGCT------GAAAGACGACGTCACAGG 843
          |||||||||||||||||||||||||||     |||||||||||||||||||
Db    781 TGAGTCATTCACAAGCTCCTGGACGCGGCTGGTGTGGTCATCAGGAAAGACGACGTCACAGG 840

Qy    844 CTACTTCCGTCCATGTACCTGCAAAAGTCAGGGCAAGACGTGTCCAGGCCCAACGCCA 903
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    841 CTACTTCCGTCCATGTACCTGCAAAAGTCGGGGCAAGACGTGTCCAGGCCCAACGCCA 900

Qy    904 GATCAAGCGGGGGCGCCCGCCCCAGTGTCGTCCATCGCCGCTATGCCAGGACGCCTATCGCCGTTTTCTGCA 963
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    901 GATCAAGCGGGGGCGCCCGCCCCAGTGTCGTCCATCGCCGCTATGCCAGGACGCCTATCGCCGTTTTCTGCA 960

Qy    964 GCGGTCGCGGAAGCGCCCGGAGGCGGGACCGGCGGCCGCAGCCCGGGGAGCCCCGCTCGAGGAGGA 1023
          |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    961 GCGGTCGCGGAAGCGCCCGGAGGCGGGACCGGCGGCCGCAGCCCGGGGAGCCCCGCTCGAGGAGGA 1020

Qy   1024 GCAGGGACGGCGGCCGCAGCCGGGACCCGGGACCGGCGGGCGGGTGCCCCGCGGGGCCGAGCGCCGACCT 1083
          |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   1021 GCAGGGACGGCGGCCGCAGCCGGGACCCGGGACCGGCGGGCGGGTGCCCCGCGGGGCCGAGCGCCGACCT 1080

Qy   1084 GCGGCAGACGCAGCGCTCTAAACCGCAGCCGGCGGTGCCCCGCGGCGGGCCGAGCGCCGACTT 1143
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   1081 GCGGCAGACGCAGCGCTCTAAACCGCAGCCGGCGGTGCCCCGCGGCGGGCCGAGCGCCGACCT 1140

Qy   1144 CATCCTGAACCGCTGCAGCGAGCGCACCAAGCGGACCACCGGAAGTCGGCGTCTGCCGTCTGAGGCTG 1203
          |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   1141 CATCCTGAACCGCTGCAGCGAGCGCACCAAGCGGAGCACCAAGCGGAAGTCGGCGTCTGCCGTCTGAGGCTG 1200

Qy   1204 GAGGCGAGTCGTCCCCAGCTAGCGTCTCGGCCCCTTGCCGCCCCTTGCCGCCCGTGCCTGTATATACGTGTTC 1263
          |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   1201 GAGGCGAGTCGTCCCCAGCTAGCGTCTCGGCCCCTTGCCGCCCCTTGCCGCCCGTGCCTGTACATACGTGTTC 1260

Qy   1264 TATAGAGCCTGGCGTCTGGACGCGGCGGCAGCCCGACCCCTGTCCAGCGGGCTCCCG 1323
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   1261 TATAGAGCCTGGGCGTCTGGACGCGGCGGCAGCCCGACCCCTGTCCAGCGGGCTCCCG 1320

Qy   1324 CCACCCTCAATAAATGTTGCTTGGAGTGG 1352
          |||||||||||||||||||||||||||||
Db   1321 CCACCCTCAATAAATGTTGCTTGGAGTGG 1349

RESULT 7
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US-10-717-597-232
; Sequence 232, Application US/10717597
; Publication No. US20040110221A1
; GENERAL INFORMATION:
; APPLICANT: Wyeth
; APPLICANT: Burczynski, Michael E.
; APPLICANT: Twine, Natalie C.
; APPLICANT: Dorner, Andrew J.
; APPLICANT: Trepicchio, William L.
; APPLICANT: Slonim, Donna K.
; APPLICANT: Stover, Jennifer A.
; TITLE OF INVENTION: METHODS FOR DIAGNOSING RCC AND OTHER SOLID TUMORS
; FILE REFERENCE: AM101080L
; CURRENT APPLICATION NUMBER: US/10/717,597
; CURRENT FILING DATE: 2003-11-21
; PRIOR APPLICATION NUMBER: US 60/459,782
; PRIOR APPLICATION FILING DATE: 2003-04-03
; PRIOR APPLICATION NUMBER: US 60/427,982
; PRIOR FILING DATE: 2002-11-21
; NUMBER OF SEQ ID NOS: 4904
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 232
; LENGTH: 1349
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-717-597-232

Query Match   94.3%; Score 1303.8; DB 18; Length 1349;
Best Local Similarity   98.6%; Pred. No. 0;
Matches 1330; Conservative 0; Mismatches 0; Indels 7; Gaps 1;

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Qy     16 GAGCACTGGAGGCCACCCAGTCATGGGGACACCTTCATCCGTCACATCGCCCTGCTGGG   75
          |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db      1 GAGCACTGGAGGCCACCCAGTCATGGGGACACCTTCATCCGTCACATCGCCCTGCTGGG   60

Qy     76 CTTTGAGAAGCGCTTCGTACCCAGCCAGCACTATGTGTACATGTTCCTGTGAAATGGCA  135
          |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db     61 CTTTGAGAAGCGCTTCGTACCCAGCCAGCACTATGTGTACATGTTCCTGTGAAATGGCA  120

Qy    136 GGACCTGTCGGAGAAGGTGGTCTACCGGGGCTTCACCGGGATCTACGAGTTCCATAAAAC  195
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    121 GGACCTGTCGGAGAAGGTGGTCTACCGGGGCTTCACCGGGATCTACGAGTTCCATAAAAC  180

Qy    196 CTTAAAAGAAAATGTTCCCTATTGAGGCAGGGGCGATCAATCAGAGAACAGGATCATCCC  255
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    181 CTTAAAAGAAAATGTTCCCTATTGAGGCAGGGGCGATCAATCAGAGAACAGGATCATCCC  240

Qy    256 CCACCTCCCAGCTCCCAAGTGGTTTGACGGGCAGCGGGGCCGAGAACCGCCAGGGCAC   315
          |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    241 CCACCTCCCAGCTCCCAAGTGGTTTGACGGGCAGCGGGGCCGAGAACCGCCAGGGCAC   300

Qy    316 ACTTACCGAGTACTGCAGCACGCTCATGAGCCTGCCCACCAAGATCTCCCGCTGTCCCCA  375
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    301 ACTTACCGAGTACTGCAGCACGCTCATGAGCCTGCCCACCAAGATCTCCCGCTGTCCCCA  360

Qy    376 CCTCCTGACTTCTTCAAGGTGCGCCCTGATGACCTCAGCTCCCACGACAACCAGAC     435
          |||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    361 CCTCCTGACTTCTTCAAGGTGCGCCCTGATGACCTCAGCTCCCACGACAACCAGAC     420

Qy    436 AAAAAGCCAGAGACATACTTGATGCCCAAAGATGGCAAGATGGCAAGAGTACCGGACAGACATCAC  495
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    421 AAAAAGCCAGAGACATACTTGATGCCCAAAGATGGCAAGATGGCAAGAGTACCGGACAGACATCAC  480

Qy    496 CGGCCCATCATCCTGCAGACGTACCGGACGTACCGCCATTGCCAACTACGAGAAGACCTCCGGCTC  555
          |||||||||||||||||||||||||||||||||||||||||||||||| |||||||||||||||||
Db    481 CGGCCCATCATCCTGCAGACGTACCGGACGTACCGCCATTGCCGACTACGAGAAGACCTCCGGCTC  540

Qy    556 CGAGATGGCTCTCGTCCACGGGGACGTGGTGGAGGTCGTAGAGAGAAGAGAGCGAGAGCGGTTG    615
          |||||||||||||||||||||||||||||||||| ||||||||||||||||||||||||||||||
Db    541 CGAGATGGCTCTCGTCCACGGGGACGTGGTGGAGGTCGTGGAGGTCGTAGAGAGAAGAGAGCGAGAGCGGTTG  600

Qy    616 GTGGTTCTGTCAGATGAAAGCAAAGCGAGGCTGGATCCCAGCGCATCCTTCCTGAGCCCCT  675
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    601 GTGGTTCTGTCAGATGAAAGCAAAGCAAAGCGAGGCTGGATCCCAGCATCTTCCTGAGCCCCT  660

Qy    676 GGACAGTCCTGACGAGACGGAAGACCCTGAGCCAACTATGAGGTGAGCCATACGTCGC    735
          |||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    661 GGACAGTCCTGACGAGACGGAAGACCCTGAGCCAACTATGAGGTGAGCCATACGTCGC    720

Qy    736 CATCAAGGCTACACTGCTGTGGAGGTGTCCTGCTCGAGGTGAAGCTGT              795
          |||||||||||||||||||||||||||| |||||||||||||||||
Db    721 CATCAAGGCTACACTGCTGTGGAGGTGTCCCTGCTCGAGGTGAAGCTGT             780

Qy    796 TGAGGTCATTCACAAGTCCTGGACGGCT----------GGAAAGACGACGTCACAGG    843
          |||||||||||||||||||||||||||||          ||||||||||||||||||
Db    781 TGAGGTCATTCACAAGTCCTGGACGGCTCATCAGGAAAGACGACGTCACAGG        840

Qy    844 CTACTTCCGTCCATGTACCTGCAAAAGTCAGGCAAGACGTGTCCCAGGCCAACGCCA    903
          ||||||||||||||||||||||||||| |||||||||||||||||||||||||||||
Db    841 CTACTTCCGTCCATGTACCTGCAAAAGTCGGGCAAGACGTGTCCCAGGCCAACGCCA    900

Qy    904 GATCAAGCGGGGGGCGGGCCGCCCCCGCAGGTCGTCCATCCGCAACGGCACAGCATCCACCA  963
          ||||||||||||||||||||||||||||||||||||||||||||||| |||||||||||| ||
Db    901 GATCAAGCGGGGGGCGGGCCGCCCCCGCAGGTCGTCCATCCGCAACGCGCACAGCATCCATCA  960

Qy    964 GCGGTCGCGGAAGCGCCGCCAGGCGGCCGCCGGGACCCGCGGACGGCCGCTCGAGGAGGA  1023
          |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    961 GCGGTCGCGGAAGCGCCGCCAGGCGGCCGCCGGGACCCGCGGACGGCCGCTCGAGGAGGA  1020

Qy   1024 GCAGGACGCGCGCCAGGCGCGGCCGCCGGGACCCGGAGCCCGCGGACGGCGCCGACCT   1083
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   1021 GCAGGACGCGCGCCAGGCGCGGCCGCCGGGACCCGGAGCCCGCGGACGGCGCCGACCT   1080

Qy   1084 GCGGCAGACGACGCAGCGCCTTAAACCGCAGACCGGAGGGTGCCCCGCCGGCCGAGCGCCGACCT  1143
          ||||||||||||||||||| ||||||||||||||||||||||||||||||||||||||||||||
Db   1081 GCGGCAGACGACGCAGCGCTCTAAACCGCAGACCGGAGGGTGCCCCGCCGGCCGAGCGCCGACCT  1140

Qy   1144 CATCCTGAACCGCTGCAGCGAGCGACCACCAAGCGGAAGCTGGCGTCTCCGTCGAGGCTG  1203
          |||||||||||||||||||||||||| |||||||||||||||||||||||||||||||||
Db   1141 CATCCTGAACCGCTGCAGCGAGCGACACCAAGCGGAAGCTGGCGTCTCCGTCGAGGCTG   1200

Qy   1204 GAGCGCAGTCCCAGTAGCCTGTCTCCGCCCTTGCCGCCCCGTCTGTATATACGTGTTC  1263
          |||||||||||||||||||||||||||||||||||||||||||||||| ||||||||||
Db   1201 GAGCGCAGTCCCAGTAGCCTGTCTCCGCCCTTGCCGCCCCGTCTGTACATACGTGTTC  1260

Qy   1264 TATAGAGCCTGGCGTCTGGACGCGCCGAGGGCAGCCCCGTCCAGCGGCGGCTCCCG    1323
          |||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   1261 TATAGAGCCTGGCGTCTGGACGCGCCGAGGGCAGCCCCGTCCAGCGGCGGCTCCCG    1320

Qy   1324 CCACCCTCAATAAATGTTGCTTGGAGTGG   1352
          |||||||||||||||||||||||||||||
Db   1321 CCACCCTCAATAAATGTTGCTTGGAGTGG   1349
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RESULT 8
US-10-775-169-110
; Sequence 110, Application US/10775169
; Publication No. US20040175743A1
; GENERAL INFORMATION:
; APPLICANT: Wyeth
; APPLICANT: Burczynski, Michael
; APPLICANT: Twine, Natalie
; APPLICANT: Dorner, Andrew
; APPLICANT: Trepicchio, William
; TITLE OF INVENTION: Method for Monitoring Drug Activities In Vivo
; FILE REFERENCE: AM101080 (031896-013000)
; CURRENT APPLICATION NUMBER: US/10/775,169
; CURRENT FILING DATE: 2004-02-11
; NUMBER OF SEQ ID NOS: 5278
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 110
; LENGTH: 1349
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-775-169-110

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Query Match        94.3%;   Score 1303.8;   DB 18;   Length 1349;
Best Local Similarity  98.6%;   Pred. No. 0;
Matches 1330;  Conservative  0;  Mismatches  7;  Indels  12;  Gaps  1;

Qy   16  GAGCACTTGGAGGCCACCCAGTCATGGGGACACCTTCATCCGTCACATCGCCCTGCTGGG   75
Db    1  GAGCACTTGGAGGCCACCCAGTCATGGGGACACCTTCATCCGTCACATCGCCCTGCTGGG   60

Qy   76  CTTTGAGAAGGCGGCTTCGTACCCAGCCAGCACTATGTGTACATGTTCCTGGTGAAATGGCA  135
Db   61  CTTTGAGAAGGCGGCTTCGTACCCAGCCAGCACTATGTGTACATGTTCCTGGTGAAATGGCA  120

Qy  136  GGACCTGTCGGAGAAGGTGGTCTACCGGCTTCACCGGAGTCAACCGAGATCTACGAGTTCCATAAAAC  195
Db  121  GGACCCGTCGGAGAAGGTGGTCTACCGGCTTCACCGGAGTCAACCGAGATCTACGAGTTCCATAAAAC  180

Qy  196  CTTAAAAGAAATGTTCCCTATTGAGGCAGGGGCGATCAATCCAGAACACAGGATCATCCC  255
Db  181  CTTAAAAGAAATGTTCCCTATTGAGGCAGGGGCGATCAATCCAGAACACAGGATCATCCC  240

Qy  256  CCACCTCCCAGTCCCAAGTGGTTTGACGGGCGAGCGGCCGCCGCGAGAACCGCCAGGGCAC  315
Db  241  CCACCTCCCAGCTCCCAAGTGGTTTGACGGGCGAGCGGCCGCCGCGAGAACCGCCAGGGCAC  300

Qy  316  ACTTACCGAGTACTGCAGCACGCTCATGAGCCTGCCCACCAAGATCTCCCGTCCCCCA  375
Db  301  ACTTACCGAGTACTGCAGCACGCTCATGAGCCTGCCCACCAAGATCTCCCGTCCCCCA  360

Qy  376  CCTCCTCGACTTCTTCAAGGTGCGCCCTGATGACCTCAAGCTCCCACGACAACCAGAC  435
Db  361  CCTCCTCGACTTCTTCAAGGTGCGCCCTGATGACCTCAAGCTCCCACGACAACCAGAC  420

Qy  436  AAAAAAGCCAGAGACATACTTGATGCCCAAAGATGCAAGAGTACCGCGACAGACATCAC  495
Db  421  AAAAAAGCCAGAGACATACTTGATGCCCAAAGATGCAAGAGTACCGCGACAGACATCAC  480

Qy  496  CGGCCCCATCATCCTGCGAGACGTACCGCGCCATTGCCAACTACGAGAAGACCTGGGGCTC  555
Db  481  CGGCCCCATCATCCTGCGAGACGTACCGCGCCATTGCCGACTACGAGAAGACCTGGGGCTC  540

Qy  556  CGAGATGGCTCGTCGTCCACGGGGGACGTCGTGGAGGTCGTAGAGAAGAGCGGAGAGCGGTTG  615
Db  541  CGAGATGGCTCGTCGTCCACGGGGGACGTCGTGGAGGTCGTGGAGGTCGTGGAGAAGAGCGGTTG  600

Qy  616  GTGGTTCGTCGTCAGATGAAAGCAAAGCAAAGCAAACCAAAGCAAAGCTGGATCCCTCCTTCCTCGAGCCCCT  675
Db  601  GTGGTTTCGTCGTCAGATGAAAGCAAAGCAAACCAAAGCAAAGCTGGATCCTTCCTCGAGCCCCT  660

Qy  676  GGACAGTCCTGACGAGACGACGGAAGACACCCTGAGCCCAACTATGCAGTGCAGGTGAGCCATACGTCGC  735
Db  661  GGACAGTCCTGACGAGACGACGGAAGACACCCTGAGCCCAACTATGCAGTGCAGGTGAGCCATACGTCGC  720

Qy  736  CATCAAGGGCCTACACGTCTGCTGTGGAGGGGAGAGGTGTCCCTGCCTGGAGGGTGAAGCTGT  795
Db  721  CATCAAGGGCCTACACGTCTGCTGTGGAGGGGAGAGGTGTCCCTGCCTGCTGGAGGGTGAAGCTGT  780

Qy  796  TGAGGTCATTCACAAGCTCCTGGACGGCT------GGAAAGACAGCGTCACAGG  843
Db  781  TGAGGTCATTCACAAGCTCCTGGACGGCTGGTGGTGGTCATCAGGAAAGACAGCGTCACAGG  840

Qy  844  CTACTTCCCGTCCATGTACCTGCAAAAGTCAGGGCAAGACGTGTCCCAGGCCA  903
Db  841  CTACTTTCCCGTCCATGTACCTGCAAAAGTCAGGGCAAGACGTGTCCCAGGCCA  900

Qy  904  GATCAAGCGGGGGGCGCCGCCGCCCCCCAGGTCGTCCATCCGGCCACCAGCATCCACCA  963
Db  901  GATCAAGCGGGGGGCGCCGCCGCCCCCCAGGTCGTCCATCCGGCCACCAGCATCCATCA  960

Qy  964  GCGGTCGCGGAAGCCGCCTCAGCCAGGACGAGCGTCCCAACAGCGTCCGTTTTCTGCA  1023
Db  961  GCGGTTCGCGGAAGCCGCCTCAGCCAGGACGAGCGGCCCAACAGCGTCCGTTTTCTGCA  1020

Qy 1024  GCAGCGACGCGCCGGCGCGCGGACCCGCAGAGCCCCGGGAGCCCCGGAGCCCCGGGCTCGAGGAGGA  1083
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Db 1021  GCAGCGACGCGCCGGCGCGCGGACCCGCAGAGCCCCGGGAGCCCCGGAGCCCCGGGCTCGAGGAGGA  1080

Qy 1084  GCGGCAGACGACGCAGCGCGCTCTAAACCGACCGCAGCGCCGTCGCCCGGCGCCGAGCGCCGACCT  1143
Db 1081  GCGCGCAGACGACGCAGCGCGCTCTAAACCGACCGCAGCGCCGTCGCCCGGCGCCGAGCGCCGACCT  1140

Qy 1144  CATCCTGAACCGCTGCAGCGAGAGCACCAAGCGCAGAGCTGGAGCGCTCTGCCCTCGAGGCTG  1203
Db 1141  CATCCTGAACCGCTGCAGCGAGAGCACCAAGCGGCAGAGCTGGCGTCGCCCGTCTCGAGGCTG  1200

Qy 1204  GAGCGCAGTCCCAGCTAGGCTCTCGGCCCTTGCCGTGCCCTGTATATACGTGTTC  1263
Db 1201  GAGCGGCCGTCCCAGCTAGGCTCTCGGCCCTTGCCGTGCCCCGTGTACATACGTGTTC  1260

Qy 1264  TATAGAGCCTGGCGTCTGGACGCGGAGGGCAGCCCCGTCTTCCAGCGCGGCGCTCCCG  1323
Db 1261  TATAGAGCCTGGCGTCTGGACGCGGAGGGCAGCCCCGTCTTCCAGCGCGGCGCTCCCG  1320

Qy 1324  CCACCCTCAATAAATGTTGCTTGGAGTGG  1352
Db 1321  CCACCCTCAATAAATGTTGCTTGGAGTGG  1349


RESULT 9
US-10-418-036-17
; Sequence 17, Application US/10418036
; Publication No. US2003025517A1
; GENERAL INFORMATION:
;   APPLICANT: Gronberg, Alvar
;   APPLICANT: Wikstrom, Per
;   TITLE OF INVENTION: NEW USE
;   FILE REFERENCE: 13425-110001
;   CURRENT APPLICATION NUMBER: US/10/418,036
;   CURRENT FILING DATE: 2003-04-17
;   PRIOR APPLICATION NUMBER: SE 0201152-6
;   PRIOR FILING DATE: 2002-04-17
;   PRIOR APPLICATION NUMBER: US 60/410,626
;   PRIOR FILING DATE: 2002-09-13
;   NUMBER OF SEQ ID NOS: 27
;   SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 17
;   LENGTH: 1340
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-10-418-036-17

Query Match        93.6%;   Score 1293.8;   DB 17;   Length 1340;
Best Local Similarity  98.6%;   Pred. No. 0;
Matches 1320;  Conservative  0;  Mismatches  7;  Indels  12;  Gaps  1;

Qy   28  CCACCCAGTCATGGGGACACACCTTCATCCGTCACATCGCCCTGCTGGGCTTTGAGAAGCG   87
Db    1  CCACCCAGTCATGGGGACACACCTTCATCCGTCACATCGCCCTGCTGGGCTTTGAGAAGCG   60

Qy   88  CTTCGTACCCAGCCAGCACTATGTGTACATGTTCCTGGTGAAATGGCAGGACCTGTCGGA  147
Db   61  CTTCGTACCCAGCCAGCACTATGTGTACATGTTCCTGGTGAAATGGCAGGACCTGTCGGA  120

Qy  148  GAAGGTGGTCTACCGCGTTCACCGAGATCTACGAGTTCCATAAAACCTTAAAGAAAT  207
Db  121  GAAGGTGGTCTACCGCGTTCACCGAGATCTACGAGTTCCATAAAACCTTAAAGAAAT  180

Qy  208  GTTCCCTATTGAGGCAGGGGCGATCAATCCAGAACACAGGATCATCCCCACCTCCAGC  267
Db  181  GTTCCCTATTGAGGCAGGGGCGATCAATCCAGAACACAGGATCATCCCCACCTCCAGC  240

Qy  268  TCCCAAGTCGTTTGACGGCGCGGCCAGCGGGCCACTTACCGAGTA  327
Db  241  TCCCAAGTCGTTTGACGGCGCGGCCAGCGGGCCACTTACCGAGTA  300

Qy  328  CTGCAGCACGCTCATGAGCCTGCCCAAGATCTCCCGTCCCCACCTCCTGACTT  387
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;  Sequence 1, Application US/10437427
;  Publication No. US2004000990lAl
;  GENERAL INFORMATION:
;     APPLICANT: Rikard Holmdahl
;     APPLICANT:  Peter Olofsson
;     TITLE OF INVENTION: Autoimmune Conditions and NADPH Oxidase
;     TITLE OF INVENTION: Defects
;     FILE REFERENCE: 11145-024001
;     CURRENT APPLICATION NUMBER: US/10/437,427
;     CURRENT FILING DATE:  2003-05-13
;     PRIOR APPLICATION NUMBER: US 60/380,904
;     PRIOR FILING DATE: 2002-05-13
;     PRIOR APPLICATION NUMBER: US 60/429,609
;     PRIOR FILING DATE: 2002-11-27
;     NUMBER OF SEQ ID NOS: 8
;     SOFTWARE: FastSEQ for Windows Version 4.0
;  SEQ ID NO 1
;     LENGTH: 1349
;     TYPE: DNA
;     ORGANISM: Rattus norvegicus
US-10-437-427-1

  Query Match             54.9%;  Score 758.6;  DB 17;  Length 1349;
  Best Local Similarity   78.6%;  Pred. No. 5.7e-197;
  Matches  953;  Conservative   0;  Mismatches 239;  Indels  21;  Gaps   3;
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Qy          31 CCCAGTCATGGGGACACCTTCATCCGTCACATCGCCCTGCTGGCTTTGAGGAAGCGGCTT 90
               ||||  |||||||||||||||||||||||||| ||||||||||||||||| |||||||||
Db           8 CCCAGCCATGGGGACACCTTCATTCGCCACATCGCCCTCCTGGGCTTCGAGGAAACGCTT 67

Qy          91 CGTACCCAGCCAGCACTATGTGTACATGTTCCTGGTGAAATGGCAGGACCTGTCGGAGAA 150
               || |||||||||||||||||||| |||| |||| |||| ||||||||||||||||||||||
Db          68 CGTCCCCAGCCAGCACTACTGTGTACATGTTCCTGGTTAAGTGGCAGGACCTGTCGGAGAA 127

Qy         151 GGTGGTCTACCGGCGCTTCACCGAGATCTACGAGTTCCATAAAACCTTAAAAGAAAATGTT 210
               |||||||||  ||| || |||||||| ||||||||||||||||||||| |  || |||||||
Db         128 GGTGGTCTACAGAAATTCACCGAGATCTACGAGTTCCATAAAATGTTAAAGGAGATGTT 187

Qy         211 CCCTATTGAGGCAGGGGCGATCAATCCAGAGAACAGAGTCATCCCCACCTCCCAGCTCC 270
               ||||| || ||||| ||||| ||||| |||||||| ||||||||| |||||||||||||
Db         188 CCCCATTGAGGCCGGTGAGATCCACACAGAAAACAGAGTCATCCTCCTCCCAGCTCC 247

Qy         271 CAAGTGGTTTGACGGGCAGCGGCAGCCGGGCAGCGGCGCCCAGCCGTGTCCCACCTTACCGAGTACTTG 330
               ||| ||  |||||| ||||| |||||| ||| ||||||||| ||||||||||||||||| |||||||||
Db         248 CAGGTGGTATGATGGGCAGCAGCCGGCAGCGGCAGCGCGCCGCAGGGGACCGGCCCAGCGCGTCACCGAGTACTT 307

Qy         331 CAGCACGCTCATGAGCCTGCCCACCAGATCTCCCGTCCCACCTCCTCGACTTCTT 390
               ||| |||||||||||   ||||   || ||||||||| || ||| || ||||||||
Db         308 CAACAGCCTCATGGACTCGCCCATGAGATCTCCCGCTGCCCACCTCCTTGAACTTCTT 367

Qy         391 CAAGGTGCGCCCTGATGACCTCAAGCTCCCACGACAACCAGACAAAAAGCCAGAGAC 450
               ||||||||| ||| |||||||||||| ||||| |||||||||||| |||||||||||||
Db         368 CAAAGTGCGGCCCGATGACCTGAAGCTGCCCAATGACACGCAGGTGAAGAAGCCAGAGAC 427

Qy         451 ATACTTGATGCCCAAAGATGGCAAGAGTACCGGCAAGCATCACCGCCCCATCATCCT 510
               ||||| |||| |||||||||||||||  ||||||  | ||||| ||||| |||||||||
Db         428 ATACCTGACGGCCAAAGATGGCAAGAATAATGTAGCTGACATCATGGTCCCATCATCCT 487

Qy         511 GCAGACGTACCGGCCAATTGCCAACTACGAGACGGAGAGAGACTTCGGGCTCCGAGATGGCTCGTC 570
               ||| ||| ||||  |||  || ||||| |||||| ||||||| ||||| | |||||||| | ||||
Db         488 TCAGACCTATCGGCCATCGGCCATCGCGACTACGAGAGGGTTCCAAAACAGAGATGACCGTGGC 547

Qy         571 CACGGGGACGTGGTGAGGTCGTAGAGAAGAGCGAGAGCGGTTGGTCTGTCGTCAGAT 630
               ||||||||||| ||| |||||| | || | | |||| |||||||| |||| ||||||
Db         548 GACGGGAGATGTGGTGATGTCGTAGAGAAAAAGCGAGAGTGGGTCGTTTTGCCAGAT 607

Qy         631 GAAAGCAAAGCGAGGCTGGAATCCAGCCCTCCTTCCTCGAGACCAGTCCTGACGA 690
               |||  ||||| ||||| | ||||| | | ||||| | ||||||||||| | |||||
Db         608 GAAGACAAAACCAGGTTGGGTCCTGCATCCTATTTGGAGCCCCCTTTGACAGCCCTGATGA 667

Qy         691 GACGGAAGACCCTGAGCCCAACTATCGCGAGGTGGCCATACGTCGCCATCAAGCCTACAC 750
               || |||||   |||||   ||||  | | |||||||| |||||| ||  ||||||||||||
Db         668 GGCGAGGAGACCCCGATCCCAACTACGACCAGGTGAACCTATGTAACCATCAAAGCGTACGC 727
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Db         301 CTGCAGCACGCTCATGAGCCTGCCCACCAAGATCTCCCGCTGTCCCACCTCCTCGACTT 360
Qy         388 CTTCAAGGTGCGCCCCTGATGACCTCAAGCTCCCACGACAACCAGACAAAAAGCCAGA 447
               ||||||||||||| |||||||||||||||||||||| ||||||||||| || ||||||
Db         361 CTTCAAGGTGCGCCCCTGATGACCTCAAGCTCCCACGACAACCAGACAAAAAGCCAGA 420

Qy         448 GACATACTTGATGCCCAAAGATGGCAAGAGTACCGGCAAGACATCACCGGCCCCATCAT 507
               ||||||||||||||| ||||||||||||||||||||||||| ||||||||||||||||||
Db         421 GACATACTTGATGCCCAAAGATGGCAAGAGTACCGGCAAGACATCACCGGCCCCATCAT 480

Qy         508 CCTGCAGACGCCGCCATTGCCAACTACGAGAAGAGACCTTCGGGCTCCGAGATGGCTCT 567
               ||||||||||||||||| ||||||||||||||||||||||||||||||||||||||||||
Db         481 CCTGCAGACGTACCGGCCATTGCCGACTACGAGAAGAGAGCCGAGAGCCGGTCTCT 540

Qy         568 GTCCACGGGGGACGTGGTGAGGTCGTAGAGAAGAGCGGTGGTGTTCGTTCTGTCA 627
               ||||||||||||||||||||||||||||||||| || ||||| |||| ||||||||
Db         541 GTCCACGGGGGACGTGGTGGAGGTCGTGGAGGTCGTGGTGTTCGTTCTGTCA 600

Qy         628 GATGAAAGCAAAGCGAGGCTGATCCCAGCGTCCTTCCTGAGCCCCTGACAGTCCTGA 687
               |||||||||||||||||||| |||||||||| |||| |||| |||||||||||||||
Db         601 GATGAAAGCAAAGCGAGGCTGGATCCCAGCCATCCTTCCTCGAGCCCCTGGACAGTCCTGA 660

Qy         688 CGAGACGGAAGCCCTGAGCCCAACTATCAGGTGAGCCCAATCATGTGAGCCCATACGGCCTA 747
               ||||| |||||   ||||   ||||  |||||| |||| || || || |||||| |||||||
Db         661 CGAGACGGAAGACCCCTGAGGGGGGGGGACGAGAGGTGAGCCCAACTATCAGGTGAGCCCATGTCCGCCATCAGGCCTA 720

Qy         748 CACTCGTCGTGGAGGGGACGAGGTGTCCGTCTCGAGGGGTGTTGAGGGTCATTCA 807
               ||||||||||||||||||||||| |||||||| ||||||| ||||| | ||||||
Db         721 CACTGTCGTGGAGGGGGACGAGGTGTCCGTCCCTGAGGGGTGTTGAGGGTCATTCA 780

Qy         808 CAAGGTCCTGACGGGCT--------GAAAGACGAGCTCACAGGGCTACTTCCCGTC 855
               ||||||||||| |||||        |||||||||||| ||| |||||||| |||||
Db         781 CAAGGTCCTGGAGGGCGGCGGCTTGGTGGTCGATCAGGAAAGACGACGCTCACACTTTCCGTC 840

Qy         856 CATGTTACCTGCAAAAGTCAGGGCAAGAGACGTGTCCCAGGCCAACGCCCAGATCAAGCGGGGG 915
               ||| |||||||||||||| ||| ||||||| ||||||| ||||||||||||||| ||||||||||
Db         841 CATGTTACCTGCAAAAGTCGGGGCAAGAGACGTGTCCCAGGCCCAACGCCCAGATCAAGCGGGGG 900

Qy         916 GGCGCGCCCCCGCAGTCGTCATCCGCAACGCGCACAGCGTCCGGTCGCGGGAA 975
               ||||||||||| | || ||||||||||| ||||| ||||| ||||||||||||
Db         901 GGCGCGCCCCCGCAGTCGTCCATCCGTCCATCCAGCGCACAGCGTCCGGTCGCGGGAA 960

Qy         976 GCGCCTCAGCCAGGACGACGCCTATCGCGGCTTCCGTTTTCTGCAGAGCGACGCCG 1035
               | | || |||||| | ||| | ||||||||||||  || || ||||||||||||||||
Db         961 GCGCCTCAGCCAGGACGACGCCTATCGCGGCGGTCCGTTTTCTGCAGAGCGACGCCG 1020

Qy        1036 CCAGGCGCCGGGACCGCAGAGCCCGGGAGCCCCGGCCGCAGAGCGGCGCAGACGCA 1095
               ||||| |||||| |||||||||| || |||||| || ||||||||||||||||||||
Db        1021 CCAGGCGCGGCCGGGACCGCGGAGCCCGGAGCCCCGGCCGCAGAGCGGCGCAGCGCA 1080

Qy        1096 GCGCTCTAAACCGCAGCCGCCGGCGGTGCCCCCGGCCGCGAGCCGCGACCTCATCCTGAACCG 1155
               |||||| |||| ||||||||||||| ||| ||||||||||||||||| ||||||||| |||||
Db        1081 GCGCTCTAAACCGCAGCCGCCGGCGGTGCCCCCGGCCGCGAGCCGCGACCTCATCCTGAACCG 1140

Qy        1156 CTGCAGCGAGAGCACCAAGCGGAAGCGGAGTCTGCCCGTCTGAGGCTGAGGCGCAGTCCC 1215
               ||||||||||||| |||||||||||||||||| || |||||| || ||||||| |||||||
Db        1141 CTGCAGCGAGAGCACCAAGCGGAAGCGGAGTCTGCGCGTCTGCGGCTGAGGCGCAGTCCC 1200

Qy        1216 CAGCTAGCGTCTCGGCCCTTGCCGCCCTGTGTCGTTCTATAGACGTGTTCTATAGAGCCTGG 1275
               ||||||||||||||||||||||||||||| ||||||| ||||| |||||||||||||||||||
Db        1201 CAGCTAGCGTCTCGGCCCTTGCCGCCCCCGTTGCCTTGTACATACGTGTTCTATAGAGCCTGG 1260

Qy        1276 CGTCTTGACACCGCCGAGGGCAGCCCGACACCCTTGTCCAGCGCGCCCACCTTCAATA 1335
               |||||||||||||||||||||| ||||||||||||||||||||||||| |||||||||
Db        1261 CGTCTTGACGCCGGCGAGGGCAGCCCGACACCCTGTCCAGCGCGCCCTCCCCTTCAATA 1320

Qy        1336 AATGTTGCTTGGAGTGGAA 1354
               |||||||||||||||||||
Db        1321 AATGTTGCTTGGAGTGGAA 1339
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RESULT 10
US-10-437-427-1
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Qy  153 TGGTCTACCGGGCTTCACCGAGATCTACGAGTTCATAAAACCTTAAAAGAAAATGTTCC 212
            ||||||||||||||||||||||||||||||||||||||| |||||||||||||||||
Db  121 TGCTCTTCAGAGAAATTCACCGAGATCTACGAGTTCCATAAAATGTTAAGGAGATGTTCC 180

Qy  213 CTATTGAGGGGGATCAATCCAGAGAACACAGGATCATCCCCACCTCCCAGCTCCCA 272
            |||||||||||||||||| |||||  |||||||||||||||||||||||||||
Db  181 CCATTGAGGGCGGTGGTGGTCAGGAAACAGAGTCATCCTCACCTCCCAGCTCCCA 240

Qy  273 AGTGGTTTGACGGCCGCCAGAGACCCAGAGCCCAACGCCAGAT---CAAGCGGGG 332
            ||||  |||||||||||||| |||||  ||||||||||||||| |||||||||
Db  241 GGTGGTATGATGGGCAGCGTGCAGCCGCCCAGGGACGCTCACCGAGTACTTCA 300

Qy  333 GCACGCTCATGAGCCTGCCCACCAAGATCTCCCGCTGTCCCCGACGCGGTCGCGGAA 392
            ||||| |||||||||||||||||||||  ||| |||||||||||||||||||||
Db  301 ACAGCCTCATGGGACTGCCCGTGAAGATCTCCCTGCCCACCACCTTGAACTTCTTCA 360

Qy  393 AGGTGCCCTGATGACCTCAAGCTCCCCACGGACACCGGCAGCATCACCCGCTGC 452
            |||||||||||||||||||||||||||||||||||||||||||  |||||
Db  361 AAGTGCGGCCGATGACCTGAAGCTGCCCAATGACAGCAGGTGAAGAGCCAGAGACAT 420

Qy  453 ACTTGATGCCCAAAGATGGCAAGAGTACGGCGACAGACATCACCGCCCATCATCCTGC 512
            ||||||||||||||||  ||||||  |||||||||||||||||| ||||||||
Db  421 ACCTGACGGCCAAAGATGGCAAGAATAATGGCTGACATCACGGGTCCCATCATCCTTC 480

Qy  513 AGACGTACCGCGCCATTGCCAACTACGAGAAGAGCCTCGGGCTCCGAGATGGCTCTCGTTCCA 572
            ||||||||||||| |||| |||||||| ||||||||||||||||||||||||
Db  481 AGACCTATCGCGGCCATCGCTGACTACGAGAGGGGT TCAAAACAGAGATGACCGTGCGCGA 540

Qy  573 CGGGGGACGTGGTGGAGGTCGTAGAGAGAGCCGGTTGGTGGTTCGTGTGTCAGATGA 632
            ||||||||||||||||||||||||||||||||||||||||||| ||||||||||||
Db  541 CGGGAGGATGTGGTGATGTGTGAGAGAAAAGCGAGAGTGCGTGGTGTTTGCCGAGATGA 600

Qy  633 AAGCAAAGGCGAGGCTGGATCCCAGCCGTCCTTCCTCGACCCATCAGTCGCACCACTG 692
            ||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db  601 AGACAAAACGAGGTTGGGGTCCCGCATCCTATTTGGAGCACCAGGCCCTGATGAGG 660

Qy  693 CGGAAGACCCTGAGCCCAACTATGCAGGTGAGCCATCAGTCGCGCCACTACGTCGCACCACTG 752
            ||||||||||||||||||||||||||||||||| ||||||||||||||||||||||
Db  661 CAGAGGACCCCGCATCCCAACTACGCAGGTGAACCGTATGTAACCATCAAAGCGTAGCGTG 720

Qy  753 CTGTGAGGGGGACGAGGTGTCCCTGCTCTCGAGGGTGAAGCTGTTCATTCACAAGC 812
            |||||||||||||||||||||| ||||||||||||||||||||||||||||||||
Db  721 CTGTTGAAGGATGAGGTGTCCCTGTCTGAGGGTGAAGCCATGAGGTCATTCATAAGC 780

Qy  813 TCCTGGACGGCT--------GGAAAGACGACGTCACAGGCTACTTCCCGTCCATGT 860
            ||||| |||||       |||||  |||||||||||||| |||||||||||||
Db  781 TCCTAGATGGCTGGTTGGGTCGTCAGGAAAGGGGACATCACCGGCTACTTCCCATCCATGT 840

Qy  861 ACCTGCAAAAGTCAGGGCAAGACGGTGTCCAGGCCCAAGGCCAGAT---CAAGCGGGGGGG 917
            |||||  ||||||||||||||| |||||||||||||||||||||||   ||||||||||||
Db  841 ATCTGCGAGAGGCTGGGGAGGACGGAGATAACCCAGGCCCAGCAGATTAGAAGCCGCGGGG 900

Qy  918 CGCCGCCCCCGCCAGGTCGTCATCCGCAACGGCAGCATCCACCAGCCGTCCGGAAGC 977
            |||||||||| |||||||||||||||||| |||||||||||||||||||||||||
Db  901 CACCACTTCGCCAGGTCGACCATCCGCAATCGCACCAGAGCATCCACCAGCGGTTCTCGGAAGC 960

Qy  978 GCCTCAGCCAGGACACGCTCATCGCCGCAGAGCGTCCGTTTTCTGCAGCAGCGCGCC 1037
            ||||||||||||| ||||||||||| ||||||||||||||||||||||||||||||
Db  961 GCCTCAGCCAGGACACACCCAGCAAGACGTCCGATTCGCCGCAGACGCCAGACGCC 1020

Qy 1038 AGGGCCGGGCCGGGACCGGCCGACGGAGGAGCCCGGCTCGAGGAGGAGCGGCGGCAGCAGC 1097
            ||||||||| |||||||||||||| ||   ||||||||||||||||||||||||||||
Db 1021 CGGGCGGCGACCTGGGCGCCGCAGAGCCCTG------ACTCAAGGACAAATCCATCGACTCCGC 1074

Qy 1098 GCTCTAAACCGCAGCCGGGACACCTTCATCGTCACATCGCCTGGGCTTTGGGAAGCGGCTTCG 1157
            |||||||||||| ||||||||| |||||||||||||||||| |||||||||||||||||
Db 1075 GCGCCAAACCACAGCCGTCGCGCTGCCGTGCCTTCATCGTCACCGCACCGCT 1134

Qy 1158 GCKGCGGAGAGCACCAAGCCGAAGCTGGCGTCTCGAGGCTGGAGCCCAGTCCCCA 1217
            |||| ||||||||||||||||||||||||||| |||||||||||||||||||||
Db 1135 GCACAGAGAGCACCAACTGAGTTCCTGGCAGGAAACTGGCACTGGCCACGTGAGGGGGCTCACTGAAAG 1194
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Qy  751 TGCTGTGGAGGGGGACGAGGTGTCCCTGCTCGAGGGTGAAGCTGTTGAGGTCATTCACAA 810
            ||||||||| |||||||||||||||||||||||||||||||||||||||||||||||
Db  728 TGCTGTTCAAGAGGATGATGAGGTGTGTCCCTCGTGTGGGTCGGTTCATTCATCATT 787

Qy  811 GCTCCTGACGGCT--------GGAAAGACGACGTCACAGGCTACTTCCCGTCCAT 858
            |||||||| ||||       |||||  ||||||||||||||| |||||||||||||
Db  788 GCTCCTAGATGCTGGTGGTGTCAGGGGAAAATACCCAGGCCCGACAGATTAGAAGCCGCGG 847

Qy  859 GTACCTGCAAAAGTCAGGGCAAGACGTGTCCAGGCCCAACGCCAGAT---CAAGCGGGG 915
            ||||||||| |||||||||||||| ||||||||||||| |||||||||   ||||||||
Db  848 GTATCTGCAGAAGGCTGGGGAGGAGATAACCAGGCCCAGCAGATTAGAAGCCGCGCGG 907

Qy  916 GGCGCCGCCCCCGCCAGGTCGTCATCCGCAACGCAGCATCCACCAGCCGTCCGGAA 975
            |||||||||||||| ||||||||||||| ||||||||||||||||||||||||||
Db  908 GGCACCACTTCGCAGGTCGACCATCCGCAATCGCACCAGAGCATCACCAGCGTTCTCGGAA 967

Qy  976 GCGCCTCAGCCAGGACGACGCCTATCGCCGCAACACGTCCGTTTTCTGCAGCAGCGACGCCG 1035
            |||||||||||||||   ||||||||||| ||||||||| ||||||||||||||||||
Db  968 GCGCCTCAGCCAGGACACCAGCAAGACCTATCGCCGCAACAGCGTCCGATTCCGCGAGACG 1027

Qy 1036 CCAGGCCGGGCCGGGACCGGCAGAGCCCCGGGGAGCCCCTCGAGGAGGAGCGGCGAGCGCA 1095
            |||||||||||||||||||||||||||||||||||||   |||||||||||||||||
Db 1028 CCCGGGCGGCGACCTGGGCGCCGCAGAGCCCTG------ACTCAAGGACAATCCATCGACTCC 1081

Qy 1096 GGCGCTCTAAACCGCAGCCGGGACGCCGGCGTCATCCTCATCGTCACCG 1155
            ||||||||||||||| |||||||| ||||||||||||||||||||||||
Db 1082 GCGCGCCAAACCACAGCCGTCGCGTCGCCTCCGAGACCTCATCGTCACCACCG 1141

Qy 1156 CTGCAGCGAGAGCACCAAGCCGAAGCTGGCGTCTCGAGGCTGGAGCGCGCAGTCCC 1215
            ||||||||||||||||||||||||||||| |||||||||||||||| |||||||
Db 1142 CTGCAGAGAGCACCAACTGAGTTCCTGGCAGGAAACTGACGTCCGCGGGGCGGCGCACTGAA 1201

Qy 1216 CAGCTAGCGTCTC 1228
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Db 1202 AGGCGGTCCTATC 1214
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RESULT 11
US-10-437-427-3
; Sequence 3, Application US/10437427
; Publication No. US2004000991A1
; GENERAL INFORMATION:
; APPLICANT: Rikard Holmdahl
; APPLICANT: Peter Olofsson
; TITLE OF INVENTION: Autoimmune Conditions and NADPH Oxidase
; TITLE OF INVENTION: Defects
; FILE REFERENCE: 11145-024001
; CURRENT APPLICATION NUMBER: US/10/437,427
; CURRENT FILING DATE: 2003-05-13
; PRIOR APPLICATION NUMBER: US 60/380,904
; PRIOR FILING DATE: 2002-05-13
; PRIOR APPLICATION NUMBER: US 60/429,609
; PRIOR FILING DATE: 2002-11-27
; NUMBER OF SEQ ID NOS: 8
; SEQ ID NO 3
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO: 3
; LENGTH: 1331
; TYPE: DNA
; ORGANISM: Rattus norvegicus
US-10-437-427-3

Query Match   54.9%;   Score 758.2;   DB 17;   Length 1331;
Best Local Similarity   78.6%;   Pred. No. 7.3e-197;
Matches   952;   Conservative   0;   Mismatches   238;   Indels   21;   Gaps   3;

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Qy   33 CAGTCATGGGGGACACCTTCATCGTCACATCGCCTGGGCTTTGGGAAGCGGCTTCG 92
            |||||||||||||| ||||||||||||||||||| |||||||||||||||||||
Db    1 CAGCCATGGGGGACACCTTCATTCGGCCACTTCGGCCCTCGGGCTTCGAGAAACGCTTCG 60

Qy   93 TACCCAGCCAGCCACTATGTCACATGTTCCTGGTGAAATGGCAGACCTGTCGGAGAAG 152
            ||||||||||| ||||||||||||||| |||| |||||||||||||||||||||||
Db   61 TCCCAGCCAACACTATGTCATATGTTCCTGGTTAAGTGGCAGGAACCTGTCGGAGAAGG 120
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Qy   1218 GCTAGGCGTCTC 1228
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Db   1195 GCGGTCCTATC   1205

RESULT 12
US-10-723-860-1749
; Sequence 1749, Application US/10723860
; Publication No. US20040253606A1
; GENERAL INFORMATION:
;   APPLICANT: Aziz, Natasha
;   APPLICANT: Ginsburg, Wendy M.
;   APPLICANT: Zlotnik, Albert
;   TITLE OF INVENTION: Methods of Diagnosis of Soft Tissue Sarcoma, Compositions &
;   TITLE OF INVENTION: Methods for Screening for Soft Tissue Sarcoma Modulators
;   FILE REFERENCE: 05882.0193.NPUS01
;   CURRENT APPLICATION NUMBER: US/10/723,860
;   CURRENT FILING DATE: 2003-11-26
;   PRIOR APPLICATION NUMBER: 60/429,739
;   PRIOR FILING DATE: 2002-11-26
;   NUMBER OF SEQ ID NOS: 8393
;   SOFTWARE: PatentIn version 3.2
; SEQ ID NO 1749
;   LENGTH: 545
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-10-723-860-1749

Query Match   37.6%;   Score 520; DB 18; Length 545;
Best Local Similarity 99.8%;   Pred. No. 7.8e-132;
Matches 531; Conservative   0; Mismatches   0; Indels   1; Gaps   1;

Qy   1 CCTGGAAGTGCCAGGAGCACTGGAGGCCACCCAGTCATGGGGACACCTTCATCCGTCA   60
           ||||||||||||||||| |||||||||||||||||||||||||||||||||||||||||
Db   15 CCTGGAAGTGCCA-GGAGCACTGGAGGCCACCCAGTCATGGGGACACCTTCATCCGTCA   73

Qy   61 CATCGCCCTGCTGGGCTTTGAGAAGCGCTTCGTACCCAGCAGCACTATGTGTACATGTT   120
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   74 CATCGCCCTGCTGGGCTTTGAGAAGCGCTTCGTACCCAGCAGCACTATGTGTACATGTT   133

Qy   121 CCTGGTGAAATGGCAGGACCTGTCGGAGAAGTGGTCTACCGGCGCTTCACCGAGATCTA   180
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   134 CCTGGTGAAATGGCAGGACCTGTCGGAGAAGTGGTCTACCGGCGCTTCACCGAGATCTA   193

Qy   181 CGAGTTCCATAAAACCTTAAAAGAAAATGTTCCCTATTGAGGCAGGGGCGATCAATCCAGA   240
           |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   194 CGAGTTCCATAAAACCTTAAAAGAAAATGTTCCCTATTGAGGCAGGGGCGATCAATCCAGA   253

Qy   241 GAACAGGATCATCCCCACCTCCCCAGCTCCCAGCTCCCAAGTGGTTTGACGGGCAGGGGCCGGCCGA   300
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   254 GAACAGGATCATCCCCACCTCCCCAGCTCCCAGCTCCCAAGTGTTTGACGGGCAGGGGCCGGCCGA   313

Qy   301 GAACCCGCCAGGGCACACTTACCGAGTACTGCGAGCACGCTCATGAGCCTGCCCACCAAGAT   360
           |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   314 GAACCGCCAGGGCACACTTACCGAGTACTGCGAGCACGCTCATGAGCCTGCCCACCAAGAT   373

Qy   361 CTCCCGCTGTCCCACCTCCTCGACTTCTTCAAGGTGCGCCCTGATGACCTCAAGCTCCC   420
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   374 CTCCCGCTGTCCCACCTCCTCGACTTCTTCAAGGTGCGCCCTGATGACCTCAAGCTCCC   433

Qy   421 CACGGACAACCAGACAAAAAAGCCAGAGACATACTTGATGCCCAAAGATGCCAAGAGTAC   480
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   434 CACGGACAACCAGACAAAAAAGCCAGAGACATACTTGATGCCCAAAGATGCCAAGAGTAC   493

Qy   481 CGGGACAGACATCACCGGCCCCATCATCCTGCAGACGTACCGCGCCATTGCC   532
           ||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   494 CGCGACAGACATCACCGGCCCCATCATCCTGCAGACGTACCGCGCCATTGCC   545

RESULT 13
US-10-202-724-2
; Publication No. US20030108975A1

; GENERAL INFORMATION:
;   APPLICANT: Warner Lambert Company
;   TITLE OF INVENTION: Method for the screening of compounds that inhibit the
;   TITLE OF INVENTION: interaction between a proline-rich peptide and a SH3
;   TITLE OF INVENTION: domain-comprising peptide
;   FILE REFERENCE: HTRF-SH3 Domains - Warner Lambert
;   CURRENT APPLICATION NUMBER: US/10/202,724
;   CURRENT FILING DATE: 2002-07-24
;   NUMBER OF SEQ ID NOS: 4
;   SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2
;   LENGTH: 402
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-10-202-724-2

Query Match   26.0%;   Score 360; DB 15; Length 402;
Best Local Similarity 95.8%;   Pred. No. 4e-88;
Matches 385; Conservative   0; Mismatches   0; Indels   5; Gaps   1;

Qy   488 GACATCACCGGCCCCATCATCCTGCAGACGTACCGCCAACTACGAGAAGACC   547
           ||||||||||||||||||||||||||||||||||||| |||||||||||||
Db   1 GACATCACCGGCCCCATCATCCTGCAGACGTACCGCCGCTACCGAGAAGACC   60

Qy   548 TCGGGCTCCGAGATGGCTCTGTCCACGGGGGACGTGTGGAGTCGTAGAGAAGAGCGAG   607
           |||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   61 TCGGGCTCCGAGATGGCTCTGTCCACGGGGGACGTGTGGAGTCGTGGTCGTGGAGAAGAGCGAG   120

Qy   608 AGCGGTTGGTGGTTCTGTCGAGATGAAAGCAAAGCGAGGCTGGATCCCAGCGTCCTTCCTC   667
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Db   121 AGCGGTTGGTGGTTCTGTCGAGATGAAAGCAAAGCGAGGCTGGATCCCAGCATCCTTCCTC   180

Qy   668 GAGCCCCTGACAGTCCTGACGACGAAGACACCCTGAGCCCAACTATGCAGGTGAGCA   727
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Qy   728 TACGTCCCATCAAGGCCTACACTGCTGTGGAGGGGACGAGTGTCCCTGCCTCGGAGGGT   787
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Qy   788 GAAGCTGTTGAGGTCATTCACAAGTCCTCTGACGGGCT---------GGAAAGACGAC   835
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US-09-925-299-448
; Sequence 448, Application US/09925299
; Patent No. US20020055627A1
; GENERAL INFORMATION:
;   APPLICANT: Rosen et al.
;   TITLE OF INVENTION: Nucleic Acids, Proteins and Antibodies
;   FILE REFERENCE: PA102
;   CURRENT APPLICATION NUMBER: US/09/925,299
;   CURRENT FILING DATE: 2001-08-10
;   PRIOR APPLICATION NUMBER: PCT/US00/05883
;   PRIOR FILING DATE: 2000-03-08
;   PRIOR APPLICATION NUMBER: 60/124,270
;   PRIOR FILING DATE: 1999-03-12
;   NUMBER OF SEQ ID NOS: 1556
;   SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 448
;   LENGTH: 425
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-925-299-448

Query Match   23.4%;   Score 323.8; DB 9; Length 425;
Best Local Similarity 84.1%;   Pred. No. 3.2e-78;

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Qy    44  GACACCTTCATCCGTCACATCGCCCTGCCCTGTGGCTTGAGAAGCGGCTTCGTACCCAGCCAG  103
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Qy   104  CACTATGTGTACATGTTCCTGGTGAAATGGCAGGACCTGTCGGAGAAGGTGGTCTACCGG  163
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Qy   164  CGCTTCACCGAGATCTACGAGTTCCATAAAACCTTAAAGAAATGTTCCCTATTGAGGCA  223
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Db   119  CGCTTCACCGAGATCTACGAGTTCCAT------------------------------  145

Qy   224  GGGGCGATCAATCCAGAGAACAGGATCATCCCCACCTCCCAGTGGTTTGAC  283
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Qy   284  GGGCAGCGGGCGCCCGAGAACCGCCCAGGGCACACTTACCGAGTACTGCAGCACGCTCATG  343
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Qy   524  GCCATTGCCAACTACGAGAAGAC  546
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Search completed: April 25, 2005, 09:42:46
Job time : 812 secs
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; Sequence 448, Application US/09925299
; Publication No. US20030040617A9
; GENERAL INFORMATION:
;   APPLICANT: Rosen et al.
;   TITLE OF INVENTION: Nucleic Acids, Proteins and Antibodies
;   FILE REFERENCE: PA102
;   CURRENT APPLICATION NUMBER: US/09/925,299
;   CURRENT FILING DATE: 2001-08-10
;   PRIOR APPLICATION NUMBER: PCT/US00/05883
;   PRIOR FILING DATE: 2000-03-08
;   PRIOR APPLICATION NUMBER: 60/124,270
;   PRIOR FILING DATE: 1999-03-12
;   NUMBER OF SEQ ID NOS: 1556
;   SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 448
;   LENGTH: 425
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-925-299-448

Query Match            23.4%;   Score  323.8;   DB 10;   Length 425;
Best Local Similarity  84.1%;   Pred. No. 3.2e-78;
Matches   423;   Conservative   0;   Mismatches   0;   Indels   78;   Gaps   2;

Qy    44  GACACCTTCATCCGTCACATCGCCCTGCCCTGTGGCTTGAGAAGCGGCTTCGTACCCAGCCAG  103
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Qy   104  CACTATGTGTACATGTTCCTGGTGAAATGGCAGGACCTGTCGGAGAAGGTGGTCTACCGG  163
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Db    61  CACTA--TGTACATGTTCCTGGTGAAATGGCAGGACCTGTCGGAGAAGGTGGTCTACCGG  118
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Perfect score: 1382
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Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched:    1202784 seqs, 81818359 residues

Total number of hits satisfying chosen parameters:    2405568

Minimum DB seq length: 0
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                 Maximum Match 100%
                 Listing first 45 summaries

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Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES
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2	1382	100.0	1382	4	US-10-109-856-1	Sequence 1, Appli
3	1303.8	94.3	1349	4	US-09-023-655-1176	Sequence 1176, Ap
4	280.6	20.3	18853	4	US-09-820-005-3	Sequence 3, Appli
5	280.6	20.3	18853	4	US-10-109-856-3	Sequence 3, Appli
6	119.2	8.6	870	4	US-09-808-701A-4	Sequence 4, Appli
7	52.6	3.8	14382	4	US-09-902-540-1145	Sequence 1145, Ap
8	51.8	3.7	1902	4	US-09-902-540-8758	Sequence 8758, Ap
c 9	51.8	3.7	9556	4	US-09-902-540-929	Sequence 929, App
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13	48.8	3.5	2943	4	US-09-949-016-207	Sequence 207, App
14	47.8	3.5	1428	4	US-09-710-693-18	Sequence 18, Appl
15	47.8	3.5	1803	3	US-09-006-428A-18	Sequence 18, Appl
16	47.8	3.5	1803	3	US-09-615-387C-18	Sequence 18, Appl
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24	46	3.3	639	4	US-09-252-991A-12567	Sequence 12567, A
25	46	3.3	734	4	US-09-149-476-243	Sequence 243, App
26	46	3.3	1422	4	US-09-252-991A-13065	Sequence 13065, A
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28	46	3.3	2511	4	US-09-919-497-36	Sequence 36, Appl
29	45.6	3.3	1050	4	US-09-482-273-58	Sequence 58, Appl
30	45.2	3.3	2561	4	US-09-616-289-48	Sequence 48, Appl
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35	44.4	3.2	2004	2	US-08-471-044-18	Sequence 18, Appl
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ALIGNMENTS

RESULT 1
US-09-820-005-1
; Sequence 1, Application US/09820005
; Patent No. 6489149
; GENERAL INFORMATION:
; APPLICANT: SHAO, Wei et al
; TITLE OF INVENTION: ISOLATED HUMAN ENZYME PROTEINS, NUCLEIC
; TITLE OF INVENTION:  ACID MOLECULES ENCODING HUMAN ENZYME PROTEINS, AND USES
; TITLE OF INVENTION:  THEREOF
; FILE REFERENCE: CL001198
; CURRENT APPLICATION NUMBER: US/09/820,005
; CURRENT FILING DATE:  2001-03-29
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 1
;   LENGTH: 1382
;   TYPE: DNA
;   ORGANISM: Human
US-09-820-005-1

Query Match              100.0%;  Score 1382;  DB 4;  Length 1382;
Best Local Similarity    100.0%;  Pred. No. 0;
Matches 1382; Conservative  0; Mismatches  0; Indels  0; Gaps  0;

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Qy   121 CCTGGTGAAATGGCAGGACCTGTCGGAGAAGGTGGTCACCGGCGCTTCACCGAGATCTA 180
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; Sequence 1, Application US/10109856
; Patent No. 6709850
; GENERAL INFORMATION:
; APPLICANT: SHAO, Wei et al.
; TITLE OF INVENTION: ISOLATED HUMAN ENZYME PROTEINS, NUCLEIC
; TITLE OF INVENTION:  ACID MOLECULES ENCODING HUMAN ENZYME PROTEINS, AND USES
; TITLE OF INVENTION: THEREOF
; FILE REFERENCE: CL001198DIV
; CURRENT APPLICATION NUMBER: US/10/109,856
; CURRENT FILING DATE: 2002-04-01
; PRIOR APPLICATION NUMBER: 09/820,005
; PRIOR FILING DATE: 2001-03-29
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 1
; LENGTH: 1382
; TYPE: DNA
; ORGANISM: Homo sapien
US-10-109-856-1

Query Match          100.0%;   Score 1382;  DB 4;  Length 1382;
Best Local Similarity 100.0%;  Pred. No.0;
Matches 1382;  Conservative  0;  Mismatches  0;  Indels  0;  Gaps  0;
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Db 1201 CTGGAGCGGCAGTCCCAGCTAGCGTCTCGGCCCGTGCCGCCCGTGCCGTGTATATACGTG 1260

Qy 1261 TTCTATAGAGCCTGGCGTCTGGACGCCGAGGGGCAGCCCCGACCCCGTCCAGGCGGCTC   1320
        ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db 1261 TTCTATAGAGCCTGGCGTCTGGACGCCGAGGGGCAGCCCCGACCCCGTCCAGGCGGCTC   1320

Qy 1321 CCGCCACCCTCAATAAATGTTGCTTGGAGTGGAAAAAAAAAAAAAAAAAAAAAAAAAAA 1380
        ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db 1321 CCGCCACCCTCAATAAATGTTGCTTGGAGTGGAAAAAAAAAAAAAAAAAAAAAAAAAAA 1380

Qy 1381 AA 1382
        ||
Db 1381 AA 1382
```

```
                FILING DATE:  HEREWITH
            CLASSIFICATION:
        PRIOR APPLICATION DATA:
            APPLICATION NUMBER:
            FILING DATE:
            CLASSIFICATION:
        ATTORNEY/AGENT INFORMATION:
            NAME:  Zeller, Karen J.
            REGISTRATION NUMBER:  37,071
            REFERENCE/DOCKET NUMBER:  PA-0001 US
        TELECOMMUNICATION INFORMATION:
            TELEPHONE:  (650) 855-0555
            TELEFAX:  (650) 845-4166
    INFORMATION FOR SEQ ID NO:  1176:
        SEQUENCE CHARACTERISTICS:
            LENGTH:  1349 base pairs
            TYPE:  nucleic acid
            STRANDEDNESS:  single
            TOPOLOGY:  linear
        IMMEDIATE SOURCE:
            LIBRARY:  GENBANK
            CLONE:  g189050
US-09-023-655-1176

Query Match             94.3%;    Score 1303.8;  DB 4;  Length 1349;
Best Local Similarity   98.6%;    Pred. No. 1.4e-298;
Matches 1330;  Conservative 0;  Mismatches 7;  Indels 12;  Gaps 1;

Qy    16 GAGCACTGGAGGCCACCCAGTCATGGGGACACCTTCATCCGTCACATCGCCCTGCTGGG  75
         |||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db     1 GAGCACTGGAGGCCACCCAGTCATGGGGACACCTTCATCCGTCACATCGCCCTGCTGGG  60

Qy    76 CTTTGAGAAGCGCTTCGTACCCAGCCAGCCAGCACTATGTGTACATGTTCCTGGTGAAATGGCA  135
         ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    61 CTTTGAGAAGCGCTTCGTACCCAGCCAGCCAGCACTATGTGTACATGTTCCTGGTGAAATGGCA  120

Qy   136 GGACCGTGCGGAGAAGGTGGTCTACCGGCGCTTCACCGAGATCTACGAGTTCCATAAAAC  195
         |||||| |||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   121 GGACCTGTCGGAGAAGGTGGTCTACCGGCGCTTCACCGAGATCTACGAGTTCCATAAAAC  180

Qy   196 CTTAAAGAAATGTTCCCTATTGAGGCAGGGGGATCAATCAATCCAGAGAACAGAGGATCATCCC  255
         |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   181 CTTAAAGAAATGTTCCCTATTGAGGCAGGGGGATCAATCAATCCAGAGAACAGAGGATCATCCC  240

Qy   256 CCACCTCCCAGCTCCCAAGTGGTTTGACGGGCAGCGGCGCCCCGAGAACCGCCAGGGCAC  315
         |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   241 CCACCTCCCAGCTCCCAAGTGGTTTGACGGGCAGCGGCGCCCCGAGAACCGCCAGGGCAC  300

Qy   316 ACTTACCGAGTACTGCAGCACGCTCATGAGCCTGCGCCTCAAGAGATCTCCCGCTGTCCCCA  375
         |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   301 ACTTACCGAGTACTGCAGCACGCTCATGAGCCTGCGCCTCAAGAGATCTCCCGCTGTCCCCA  360

Qy   376 CCTCCTGACTTCTTCAAGTGCGCCCTGATGACCTCAAGCTCCCACGGACAACCAGAC  435
         ||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   361 CCTCCTGACTTCTTCAAGTGCGCCCTGATGACCTCAAGCTCCCACGGACAACCAGAC  420

Qy   436 AAAAAGCCAGAGACATACTTGATGCCCAAAGATGCAAGAGTACCGGCAAGACATCAC  495
         ||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   421 AAAAAGCCAGAGACATACTTGATGCCCAAAGATGCAAGAGTACCGGCAAGACATCAC  480

Qy   496 CGGCCCCATCATCCTGCAGACGTACCGCGCCATTGCCAACTACGAGAAGAGACCTCGGGCTC  555
         ||||||||||||||||||||||||||||||||||||||| ||||||||||||||||||||||
Db   481 CGGCCCCATCATCCTGCAGACGTACCGCGCCATTGCCGACTACGAGAAGAGACCTCGGGCTC  540

Qy   556 CGAGATGGCTCGTCTGCCACGGGGGACGTGGTGGAGTCGTGGAGTCGTGGAGTGGGCGGTTG  615
         |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   541 CGAGATGGCTCGTCTGCCACGGGGGACGTGGTGGAGTCGTGGAGTCGTGGAGTGGGCGGTTG  600

Qy   616 GTGGTTCGTCAGATGAAAGCAAAGCAGAGGCTGGATCCCAGCATCCTTCCTCGAGCCCCT  675
         |||||||||||||||||||||||||| |||||||||||||||||||| ||||||||||||
Db   601 GTGGTTCGTCAGATGAAAGCAAAGCGAGGCTGGATCCCAGCATCCTTCCTCGAGCCCCT  660

Qy   676 GGACAGTCCTGACGACGGAAGACCCTGAGCCCAACTATGCAGTGAGCCATACGTCGC  735
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Db   721 TGAGCCATACGTCGCCATCAAGGCCTACACACTGTCTGTGGAGGGGGACGAGGTGTCCCTGCT  780
         ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Qy   781 CGAGGGTGAAGCTGTTGAGGTCATTCACAAGCTCCTGACGCGGCTGGAAAGACGACGTCAC  840
         ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   781 CGAGGGTGAAGCTGTTGAGGTCATTCACAAGCTCCTGACGCGGCTGGAAAGACGACGTCAC  840

Qy   841 AGGCTACTTCCCGTCCATGTACCTGCAAAAGTCAGGGCAAGACGTGTCCAGGCCCAACG  900
         ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   841 AGGCTACTTCCCGTCCATGTACCTGCAAAAGTCAGGGCAAGACGTGTCCAGGCCCAACG  900

Qy   901 CCAGATCAAGCGGGGGGGCGGCCGCCCGAGTCGTCCATCCGCAACGCGCACAGCATCCA  960
         ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   901 CCAGATCAAGCGGGGGGGCGGCCGCCCGAGTCGTCCATCCGCAACGCGCACAGCATCCA  960

Qy   961 CCAGCGGTCGCGGAAGCGCTCAGCCAGGACGACGCCTATCGCCGCAACAGCGTCCGTTTTCT  1020
         |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   961 CCAGCGGTCGCGGAAGCGCTCAGCCAGGACGACGCCTATCGCCGCAACAGCGTCCGTTTTCT  1020

Qy  1021 GCAGCAGCCGCACGCCGCCCAGGCGGCGGGCGGACCCGGGGAGCCCGCTCGAGGA  1080
         ||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db  1021 GCAGCAGCCGCACGCCGCCCAGGCGGCGGGCGGACCCGGGGAGCCCGCTCGAGGA  1080

Qy  1081 GGAGCGGCAGACGACGAGCGCTCTAAACCGCAGCCGCGGCGGCCGCCGAGCGCCGA  1140
         ||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db  1081 GGAGCGGCAGACGACGAGCGCTCTAAACCGCAGCCGCGGCGGCCGCCGAGCGCCGA  1140

Qy  1141 CCTCATCCTGAACCGCTGCAGCGGAGACGAGAGCCAAGCGGAAGCTGGCGTCTGCCGTTCTGAGG  1200
         ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db  1141 CCTCATCCTGAACCGCTGCAGCGGAGACGAGAGCCAAGCGGAAGCTGGCGTCTGCCGTTCTGAGG  1200

Qy  1201 CTGGAGCGGCAGTCCCCAGTCTCGGCCGTCTCGGCCCTTGCCGCCCTGCCTGTATATACGTG  1260
         |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db  1201 CTGGAGCGGCAGTCCCCAGTCTCGGCCGTCTCGGCCCTTGCCGCCCTGCCTGTATATACGTG  1260

Qy  1261 TTCTATAGAGCCTTGGCGTCTGGACGCGCGAGGGGCAGCCCCTGTCCAGCGCGGCGTC  1320
         ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db  1261 TTCTATAGAGCCTTGGCGTCTGGACGCGCGAGGGGCAGCCCCTGTCCAGCGCGGCGTC  1320

Qy  1321 CGGCCACCCTCAATAAATGTTGCTTGGAGTGAAAAAAAAAAAAAAAAAAAAAAAAAAA  1380
         ||||||||||||||||||||||||||||||||||
Db  1321 CGGCCACCCTCAATAAATGTTGCTTGGAGTGAAAAAAAAAAAAAAAAAAAAAAAAAAA  1380

Qy  1381 AA  1382
         ||
Db  1381 AA  1382
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RESULT 3
US-09-023-655-1176
; Sequence 1176, Application US/09023655
; Patent No. 6607879
; GENERAL INFORMATION:
; APPLICANT: Cocks, Benjamin G.
; APPLICANT: Susan G. Stuart
; APPLICANT: Jeffrey J. Seilhamer
; TITLE OF INVENTION: COMPOSITION FOR THE DETECTION OF BLOOD CELL GENE
; TITLE OF INVENTION: EXPRESSION
; NUMBER OF SEQUENCES: 1508
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: INCYTE PHARMACEUTICALS, INC.
; STREET: 3174 PORTER DRIVE
; CITY: PALO ALTO
; STATE: CALIFORNIA
; COUNTRY: USA
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/023,655

Best Local Similarity 92.5%; Pred. No. 3.2e-56;
Matches 295; Conservative 0; Mismatches 24; Indels 0; Gaps 0;

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Qy   1035 GCCAGGCGCCGGCGGACCGCAGAGCCCGGAGCCCGCTCGAGGAGGAGGCGGCAGACGC 1094
          ||||| |||||||||||||||||||||
Db  17050 GCGGGGCGGGGCGGTCGGTCGGACTCGGCCCCGCTCTCTGCCCGCAGAGAGGAGGACGCGCCGAGACGC 17109

Qy   1095 AGGCGTCTAAACCGCAGCCGGCGGTGCCCCGCGGCCGGCCGACCTCATCCTGAACC 1154
          |||||| ||||||||||||||||||||||||||||||
Db  17110 AGCGGCTCTAAACCGCAGCCGGCGGTGCCCCGCGGCCGGCCGACCTCATCCTGAACC 17169

Qy   1155 GCTGCAGCGAGAGCACCAAGCGGAAGCGGCCGTCTCGAGGCTGGAGCGGCAGTCC 1214
          ||||| |||||||
Db  17170 GCTGCAGCGAGAGCACCAAGCGGAAGCGGCCGTCTCGAGGCTGGAGCGGCAGTCC 17229

Qy   1215 CCAGCTAGCGTCTCGCCCTTGCCGCCGGCACAGCATCCACA 1274
          ||||||||||||||||||||||||||||
Db  17230 CCAGCTAGCGTCTCGCCCTTGCCGCCGGCACAGCATCCACA 17289

Qy   1275 GCGGTCTGGACGCCGAGGGGCGAGCCCGACCCCGTCCAGGCGCGGCTCCCGCCACCCTCAAT 1334
          ||||||||||||||||||||||||
Db  17290 GCGGTCTGGACGCCGAGGGGCAGCCCGACCCCGTCCAGGCGCGGCTCCCGCCACCCTCAAT 17349

Qy   1335 AAATGTTGCTTGGAGTGGA 1353
          |||||||||||||||||
Db  17350 AAATGTTGCTTGGAGTGGA 17368
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RESULT 5
US-10-109-856-3
; Sequence 3, Application US/10109856
; Patent No. 6709850
; GENERAL INFORMATION:
; APPLICANT: SHAO, Wei et al.
; TITLE OF INVENTION: ISOLATED HUMAN ENZYME PROTEINS, NUCLEIC
; TITLE OF INVENTION: ACID MOLECULES ENCODING HUMAN ENZYME PROTEINS, AND USES
; TITLE OF INVENTION: THEREOF
; FILE REFERENCE: CL00119BDIV
; CURRENT APPLICATION NUMBER: US/10/109,856
; CURRENT FILING DATE: 2002-04-01
; PRIOR APPLICATION NUMBER: 09/820,005
; PRIOR FILING DATE: 2001-03-29
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 18853
; TYPE: DNA
; ORGANISM: Homo sapien
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(18853)
; OTHER INFORMATION: n = A,T,C or G
US-10-109-856-3

Query Match 20.3%; Score 280.6; DB 4; Length 18853;
Best Local Similarity 92.5%; Pred. No. 3.2e-56;
Matches 295; Conservative 0; Mismatches 24; Indels 0; Gaps 0;

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Qy   1035 GCCAGGCGCCGGCGGACCGCAGAGCCCGGAGCCCGCTCGAGGAGGAGGCGGCAGACGC 1094
          ||||| |||||||||||||||||||||
Db  17050 GCGGGGCGGGGCGGTCGGTCGGACTCGGCCCCGCTCTCTGCCCGCAGAGAGGAGGACGCGCCGAGACGC 17109

Qy   1095 AGGCGTCTAAACCGCAGCCGGCGGTGCCCCGCGGCCGGCCGACCTCATCCTGAACC 1154
          |||||| ||||||||||||||||||||||||||||||
Db  17110 AGCGGCTCTAAACCGCAGCCGGCGGTGCCCCGCGGCCGGCCGACCTCATCCTGAACC 17169

Qy   1155 GCTGCAGCGAGAGCACCAAGCGGAAGCGGCCGTCTCGAGGCTGGAGCGGCAGTCC 1214
          ||||| |||||||
Db  17170 GCTGCAGCGAGAGCACCAAGCGGAAGCGGCCGTCTCGAGGCTGGAGCGGCAGTCC 17229

Qy   1215 CCAGCTAGCGTCTCGCCCTTGCCGCCGGCACAGTGTTCTATATACGTGTTCTATAGAGCCTG 1274
          ||||||||||||||||||||||||||||
Db  17230 CCAGCTAGCGTCTCGCCCTTGCCGCCGGCACAGTGTTCTATATACGTGTTCTATAGAGCCTG 17289
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Qy   1275 GCGTCTGGACGCGCGAGGGCAGCCCGACCCGTCCAGCGCGGCTCCCGCCACCCTCAAT 1334
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db  17290 GCGTCTGGACGCGCGAGGGCAGCCCGACCCGTCCAGCGCGGCTCCCGCCACCCTCAAT 17349

Qy   1335 AAATGTTGCTTGGAGTGGA 1353
          |||||||||||||||||||
Db  17350 AAATGTTGCTTGGAGTGGA 17368
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RESULT 6
US-09-808-701A-4
; Sequence 4, Application US/09808701A
; Patent No. 6610536
; GENERAL INFORMATION:
;   APPLICANT: Tang, Y. Tom
;   APPLICANT: Goodrich, Ryle
;   APPLICANT: Asundi, Vinod
;   APPLICANT: Drmanac, Radoje T.
;   TITLE OF INVENTION: No. 6610536el Nucleic Acids and
;   TITLE OF INVENTION: Polypeptides
;   FILE REFERENCE: 790CIP2D
;   CURRENT APPLICATION NUMBER: US/09/808,701A
;   CURRENT FILING DATE: 2002-03-14
;   PRIOR APPLICATION NUMBER: 09/649,167
;   PRIOR FILING DATE: 2000-08-23
;   PRIOR APPLICATION NUMBER: 09/540,217
;   PRIOR FILING DATE: 2000-03-31
;   NUMBER OF SEQ ID NOS: 34
;   SOFTWARE: pt_FL_genes Version 2.0
; SEQ ID NO 4
;   LENGTH: 870
;   TYPE: DNA
;   ORGANISM: Homo sapiens
;   FEATURE:
;   NAME/KEY: CDS
;   LOCATION: (25)..(669)
;   OTHER INFORMATION:
US-09-808-701A-4

Query Match   8.6%; Score 119.2; DB 4; Length 870;
Best Local Similarity 52.7%; Pred. No. 1.5e-18;
Matches 330; Conservative   0; Mismatches 263; Indels   33; Gaps   2;

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Qy    49 CTTCATCCGTCACATCGCCCTGTCTGGGCTTTGAGAGGCGCTTCGTACCCAGCCAGCACTA 108
         |||||      | ||||||   ||||||  |||||||| ||||||||||||||||||||||
Db    39 CATCATCGTGGAGGTGAAGCGTGCTAGACGTGCAGGAAGCGGCGGAGGTGCCCAACAAGCATTA 98

Qy   109 TGTGTACATGTTCCTGGTGAAATGCGAGGACCTGTCGGAGGAAGGTGGTCTACCGCGCTT 168
         ||  |||||  |||  |||||| | ||||  ||  ||||| ||| |||||||||||||||
Db    99 TGTCTACATCATCCGGGTCACGTGGTCCACCGAGGCCATTACCGGCGCTA 158

Qy   169 CACCGAGATCTACGAGTTCCATAAAACCTAAAAGAAATGTTCCCTATTGAGGCAGGGGC 228
         ||||||||||||||| ||||| | ||| ||||||| |||||  ||||||||||||||||
Db   159 CAGCAAGTTTTTTGACCTCAGATGCAGATGTTGGACAAATTTCCAATGGAAGGAGGACA 218

Qy   229 GATCAATCCAGAGAACAGGATCATCCCCACCTCCAGCT-------CCCAAGTGGTT 279
         |||||  |||| ||||||  |||| |||||||||  |||     ||||| ||| |
Db   219 GAAGGACCCCAAGCAGCCGGATCATCCCCTTTCTGCCAGTAAGATTCTTCAGACGAAG 278

Qy   280 TGACGGGCAGCGGGCCGCCGAGAACCGCCGAGGGCACACTTACCGAGTACTGCAGCACGCT 339
         |||| |  ||  |||||||||||||||||||||  ||||||||||||||||| |||||||
Db   279 CCACATCCGGACGTGGCGTGTCAAACGCCTGATCACAATTGATGAATACTGTAAGGCCCT 338

Qy   340 CATGAGCCTGCCCACCAAGATCTCCCGCTGTCCCGTCGTCTCCACTTCTTCAAGGTGCG 399
         |||| |   || ||||| ||||||  ||||||||| ||| |||||| || ||||  ||||
Db   339 CATCCAGCTGCCCCCCTACATCTCTCAGTGTGATGAGGTGCTGCAGTTCTTTGAGACAAG 398

Qy   400 CCCTGATGACCTCAAGCTCCCACGACAACCAGACAAAAAGCCAGAGACATACTTGAT 459
         |||||||||||||||||| |||||||  |||                       ||
Db   399 ACCTGAGGACCTGAATCCCCCCAAAGAGGAGCAC--------------------AT 434

Qy   460 GCCCAAAGATGGCAAGAGTACCGGCAGAGATCACCGGCCCCCATCATCCTGCGAGACGTA 519
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RESULT 7
US-09-902-540-1145
; Sequence 1145, Application US/09902540
; Patent No. 6833447
; GENERAL INFORMATION:
;   APPLICANT: Goldman, Barry S.
;   APPLICANT: Hinkle, Gregory J.
;   APPLICANT: Slater, Steven C.
;   APPLICANT: Wiegand, Roger C.
;   TITLE OF INVENTION: Myxococcus xanthus Genome Sequences and Uses Thereof
;   FILE REFERENCE: 38-10(15849)B
;   CURRENT APPLICATION NUMBER: US/09/902,540
;   CURRENT FILING DATE: 2001-07-10
;   PRIOR APPLICATION NUMBER: 60/217,883
;   PRIOR FILING DATE: 2000-07-10
;   NUMBER OF SEQ ID NOS: 16825
; SEQ ID NO 1145
;   LENGTH: 14382
;   TYPE: DNA
;   ORGANISM: Myxococcus xanthus
US-09-902-540-1145

Query Match   3.8%; Score 52.6; DB 4; Length 14382;
Best Local Similarity 52.5%; Pred. No. 0.024;
Matches 115; Conservative   0; Mismatches 104; Indels   0; Gaps   0;

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Qy   957 TCCACCAGCGGTGCGGAGCGCCTCAGCCAGGACGCCCATCGCCCAACAGCGGTCCGTT 1016
         |||  ||||      |||||||||||  ||||||||||||||  |||||||||||||
Db 11168 TCCCCCAGCACCAGCGGGACGCCGTCCAGCGGCGGCACGGACCCCCCTCACCTGCAGCCGAC 11227

Qy  1017 TTCTGCAGCAGCGACGCCGCCGGCCGGCAGCGGGCGGCGGCCGTGCCCCTCG 1076
         |||||||      ||||||||||  ||||||| ||| |||||||| |||||
Db 11228 CCCGCCACCTCCAAGCCCGAGGCCATTACCGGCGCTA 11287

Qy  1077 AGGAGGAGCGGCAGACGCAGCGCTCTAAACCGCAGCACCCGGGTGCCGCGAGCG 1136
         |||||||||||||  |||||||||||  |||||  |||||||||||||||||||
Db 11288 AGGAGAAGCCCAGCAGCGCCAGCACCCGATTGCCCATCGCCGCGGCCGGCGCCG 11347

Qy  1137 CCGACCTCATCCTGAACCGCTGCAGCGCGAGCGACCAAGC 1175
         ||||||||||||||||||||||||||||| |||||||||
Db 11348 CCGGCTCTCTCCCCCACCCAGCCCCGACAACCCCCCTGC 11386
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RESULT 8
US-09-902-540-8758
; Sequence 8758, Application US/09902540
; Patent No. 6833447
; GENERAL INFORMATION:
;   APPLICANT: Goldman, Barry S.
;   APPLICANT: Hinkle, Gregory J.
;   APPLICANT: Slater, Steven C.
;   APPLICANT: Wiegand, Roger C.
;   TITLE OF INVENTION: Myxococcus xanthus Genome Sequences and Uses Thereof
;   FILE REFERENCE: 38-10(15849)B
;   CURRENT APPLICATION NUMBER: US/09/902,540
;   CURRENT FILING DATE: 2001-07-10
;   PRIOR APPLICATION NUMBER: 60/217,883

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Qy   435 TGGGAAAAAGAAATCTGGGGGTGACCAAACCTCAGTGTGGACCCATGGTCCTTGGAGCAGTA 494
         |||                  ||||||| |||||||| |||||||||||||||||||||||
Db   520 CCGGCGCCATTGCCAACTACGAGAAGCACCTCGGGCTCCGAGATGGGCTCGTCCACGGGGGA 579

Qy   495 TGTGGTGGTAGCCAACTACCAGAGAGGAGGAGTTCGGAGATCAGCTCAGCCTCAGCGTGGGCA 554
         ||||      |||||||||||||||  ||||||   |||||||| |||||||||||||||||
Db   580 CGTGGTGGAGTGGTGTAGAGAGAGGCGAGAGCGGTTGGTGGTTCTGTCAGATGAAAGCAAA 639

Qy   555 GGTGGTGGACATCATCGAGAAGACTGAGTCAGGTTGGTGGTTCGTCAGCACTGCCGAGGA 614
         |||||||||||  ||||||||||||||||   |||||||||||||||||||||||||||
Db   615 GCAAGGCTGGGTCCCTGCAACGGTGC 640

Qy   640 GCGAGCTGGATCCCAGCGTCCTTCC 665
         ||||| |||||||||||||||||
Db   615 GCAAGGCTGGGTCCCTGCAACGGTGC 640
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; PRIOR FILING DATE: 2000-07-10
; NUMBER OF SEQ ID NOS: 16825
; SEQ ID NO 8758
;   LENGTH: 1902
;   TYPE: DNA
;   ORGANISM: Myxococcus xanthus
US-09-902-540-8758

  Query Match             3.7%;  Score 51.8;  DB 4;  Length 1902;
  Best Local Similarity   45.5%;  Pred. No. 0.018;
  Matches  185;  Conservative   0;  Mismatches  222;  Indels   0;  Gaps   0;

Qy      766  CGAGGTGTCCCTGCTCGAGGGTGAAGCTGTTGAGGTCATTCACAAGCTCCTGGACGGCTG  825
              ||||||  |||  |     | ||||  ||  |       |  ||||| ||| | |
Db     1086  CGAGCGGGGCCTGGCCGTCAGCCGGTCTCAGCTGGAGATGGAGAGCTTCAGCGCCGAACA 1145

Qy      826  GAAAGACGAGCGTCACAGGCTACTTCCCGTCCATGTACCTGCAAAGTCAGGGCAAGACGT  885
              | | | | ||  || || || || ||   ||| | |  ||| |  || |  |
Db     1146  GGACGCGGAGGTCGCGCGCCAGCCGCCGGGGCGGGGCGCCGCGCCGAGCGCGAGCAGGACAC 1205

Qy      886  GTCCCAGGCCAACGCCAGATCAAGCGGCGGGGCCGCCCGCCGGAGCTGCTCCATCCGCAA  945
                ||||| ||| |    | | ||  |  |  |   |   | | || | ||| ||||
Db     1206  GGAGGCCGGTCGCGGCGAAACTGGGAGCTGGAGAAGCTGAGCTGGCGCAGGAGTCCGAGC 1265

Qy      946  CGGCGCACAGCATCCACCAGCGGTCCGGGAAGCGGCCTCAGCCAGGACGCCTATCGCCCAA 1005
              ||||  |||      |  |   ||| ||||   | || ||  |   | |  | ||||
Db     1266  CGCGCAGGCCGAAAATCGAGCTGGTGCGGCTCCAGGCGCCGCGCAGGAGAACGCCCAA 1325

Qy     1006  CAGGCGTCCGTTTTCTGCAGCAGCAGCAGCACGCAGCCGCCGGACCGCAGAGCCCCGG 1065
              |||| |  || |  | |  |  | || |   | |  | || || || | || |
Db     1326  GGGGCAGATGGAGCTGGCGCGGCTCCAGCAGCCTGAACAGGGCCTGTCTCACCGCCAGCG 1385

Qy     1066  GAGCCCGCTCGAGGAGGAGGGCAGCAGCAGCGCTCTAAACCCGCGGCCGGTGCGCCCC 1125
              |  || ||| |  ||| || | | |  | | |      || || ||  | ||||||
Db     1386  GCACGAGCAGGAGGTGGACTGGCGAAGCTGCCGGCCGCAGCAGGAGGAGGCCGGCGCCAA 1445

Qy     1126  GCGGCCGAGCGCCGACCTCATCCTGAACCGCTGCAGCGAGCAGCACCA 1172
              ||||  |||   | | | | |   |  || || ||  | |||
Db     1446  GGCGGCAGCTGGAGCGGCGGAGCGCCTGCGCGCCCGGCGACGAACAGGCCA 1492

RESULT 9
US-09-902-540-929/c
; Sequence 929, Application US/09902540
; Patent No. 6833447
; GENERAL INFORMATION:
;   APPLICANT: Goldman, Barry S.
;   APPLICANT: Hinkle, Gregory J.
;   APPLICANT: Slater, Steven C.
;   APPLICANT: Wiegand, Roger C.
;   TITLE OF INVENTION: Myxococcus xanthus Genome Sequences and Uses Thereof
;   FILE REFERENCE: 38-10(15849)B
;   CURRENT APPLICATION NUMBER: US/09/902,540
;   CURRENT FILING DATE: 2001-07-10
;   PRIOR APPLICATION NUMBER: 60/217,883
;   PRIOR FILING DATE: 2000-07-10
;   NUMBER OF SEQ ID NOS: 16825
; SEQ ID NO 929
;   LENGTH: 9556
;   TYPE: DNA
;   ORGANISM: Myxococcus xanthus
US-09-902-540-929

  Query Match             3.7%;  Score 51.8;  DB 4;  Length 9556;
  Best Local Similarity   45.5%;  Pred. No. 0.031;
  Matches  185;  Conservative   0;  Mismatches  222;  Indels   0;  Gaps   0;

Qy      766  CGAGGTGTCCCTGCTCGAGGGTGAAGCTGTTGAGGTCATTCACAAGCTCCTGGACGGCTG  825
              ||||||  |||  |     | ||||  ||  |       |  ||||| ||| | |
Db     2763  CGAGCGGGGCCTGGCCGTCAGCCGGTCTCAGCTGGAGATGGAGAGCTTCAGCGCCGAACA 2704

Qy      826  GAAAGACGAGCGTCACAGGCTACTTCCCGTCCATGTACCTGCAAAGTCAGGGCAAGACGT  885
              | | | | ||  || || || || ||   ||| | |  ||| |  ||   ||
Db     2703  GGACGCGGAGGTCGCGCGCCAGCCGCCGGGGCGGGGCGCCGCGCCGAGAAGTCAGGAGACAC 2644

Qy      886  GTCCCAGGCCAACGCCAGATCAAGCGGCGGGGCCGCCCGCCGGAGCTGCTCCATCCGCAA  945
                ||||| ||| |    | | ||  |  |  |   |   | | || | ||| ||||
Db      886  GTCCCAGGCCAACGCCAGATCAAGCGGGGGGGCCGCCCGCCGCAGTGCTCGGTCTCCGCAGGGC  945

Qy      946  CGGCGCACAGCATCCACCAGCGGTCGGCGAAACTGGAGCTCGGGGAAGCGCCTCAGCCAA 1005
              ||||  |||      |  |   ||| ||||   | || ||  |   | |  |  ||||
Db     2643  GGAGGCCGGTCGCGCGGCGAAACTGGAGCTGGAGAAGCTGAAGCTGGGCGCAGGAGTCCGAGGC 2584

Qy     1006  CGGCCACAGCATCCACCAGCGGTCGGGGAAGCGGCCTCAGCCAGGACGCCTATCGCCCAA 1065
              ||||  |||      |  |   ||| ||||   | || ||  |   | |  | ||||
Db     2583  CGGCCAGGCGAAAATCGAGTCGGTGGTCGGCGGCTTCCAGCGCGCGCGGGAGAACGCCCAA 2524

Qy     1066  GAGCCCGCTCGAGGAGGAGGGCAGCAGCAGCGCTCTAAACCCGCGGCCGGTGCGCCCC 1125
              |  || ||| |  ||| || | | |  | | |      || || ||  | ||||||
Db     2523  GGGCGCAGATGGAGCTGGCGCGGCAGCAGCTGAACAGGGCCTGTCTCACCGCCAGCGG 2464

Qy     1126  GCGGCCGAGCGCCGACCTCATCCTGAACCGCTGCAGCGAGCAGCACCA 1172
              ||||  |||   | | | | |   |  || || ||  | |||
Db     1066  GAGCCCGCTCGAGGAGGAGGGCCAGCAGCGGGGCGAGAGCTTCAGCGCCGAACA 1125

Qy     2463  GCACGAGCAGGAGGTGGAGCTGGCGGAAGCTGCGGCCGAGCAGCAGGAGCAGCACCA 2404

Qy     1126  GCGGCCGAGCGCCGACCTCATCCTGAACCCGCGAGCAGCACCA 1172
              ||||  |||   | | | | |   |  || ||
Db     2403  GGCGGCAGCTGGAGCGGCTGGAGCGCCTGCGCGCCCGGCGACGAACAGCGCCA 2357

RESULT 10
US-09-252-991A-1708
; Sequence 1708, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
;   APPLICANT: Marc J. Rubenfield et al.
;   TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
;   TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
;   FILE REFERENCE: 107196.136
;   CURRENT APPLICATION NUMBER: US/09/252,991A
;   CURRENT FILING DATE: 1999-02-18
;   PRIOR APPLICATION NUMBER: US 60/074,788
;   PRIOR FILING DATE: 1998-02-18
;   PRIOR APPLICATION NUMBER: US 60/094,190
;   PRIOR FILING DATE: 1998-07-27
;   NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 1708
;   LENGTH: 2172
;   TYPE: DNA
;   ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-1708

  Query Match             3.5%;  Score 48.8;  DB 4;  Length 2172;
  Best Local Similarity   50.0%;  Pred. No. 0.094;
  Matches  122;  Conservative   0;  Mismatches  122;  Indels   0;  Gaps   0;

Qy      157  CTACCGGCCGCTTCACCGAGATCTACGAGTTCCATAAAACCTTAAAGAAAATGTTCCCTAT  216
              |||  |  ||  | |  ||||| | || |  ||| | || || |||||  | ||| ||
Db      990  CCACTGGCCCAACGCCGAAACCTACGAATGGGACGTCCCGCGGCGAAGAGCTGTTCGCAG 1049

Qy      217  TGAGGCAGGGGCGATCAATCCAGAGAACAGAGATCATCCCCACCTCCCAGTCCCCAAGTG  276
              ||   |  |||   |  | |   ||  ||||| | | | ||  | ||  |  |||
Db     1050  GGACTACCTGCGCATCAGCGACGCCACGAGCAGGATCGGCGACCGCGAGCAGCAGCCTTCGCCTT 1109

Qy      277  GTTTGACGGGCAGCGGGGCCGCCCGAGAACCGCCAGGGCCACACTTACCGAGTACTGCAGCAC  336
              || | ||  | ||  |  | |  |||   | | || || |   | || ||   |  ||
Db     1110  CCAGCACGCCCGTTCGGCCTGACAGCCGCACCCTGGTCGGCGGCGAGCTGAGTACAACCGCAT 1169

Qy      337  GCTCATGAGCCTGCCACCAAGATCTCCCGTGTCCCACCTCCTGCACTTCTTCAAGGT  396
              || || | ||  |  | ||| |||  |||  ||   ||     ||||  || |||||
Db     1170  CCGCTTCCGCTGACCAACCAACAACATATCGCCCTATACCGATGTCGGCGGCGACTACATCGA 1229

Qy      397  GCGC  400
              ||||
Db     1230  CCCC 1233

RESULT 11
US-09-252-991A-2016/c
; Sequence 2016, Application US/09252991A
```

Qy   217 TGAGGCAGGGGCGGATCAATCCAGAGAACAGAGATCATCCCCACCTCCCAGCTCCCAAGTG 276
         |||||| |||||| ||||||
Db 1237 GGACTACCTGCGCATCAGCCACGACGCAGGAGCAGATCGGCGACCGCCAGACCTTCGCCTT 1296

Qy   277 GTTTGACGGGCAGCGGCCGCCGAGAACCGCCAGGGCACACTTACCGAGTACTGCAGCAC 336
         ||| ||| |||||| ||||
Db 1297 CCAGCACGCCCTGTTCGGCCTCGACAGCCGCCAGTTGCGGCGCCGAGTACAACCGCAT 1356

Qy   337 GCTCATGAGCCTGCCCACCAAGATCTCCCGCTGTCCCCACTCCTCGACTTCTTCAAGGT 396
         |||| |||||| ||||||||
Db 1357 CCGCTTCCGCCTGACCAACAACACATATCGCCCTATACCGATGTCGGCGGGCGACTACATCGA 1416

Qy   397 GCGC 400
         ||||
Db 1417 CCCC 1420

RESULT 13
US-09-949-016-207
; Sequence 207, Application US/0994016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 207
; LENGTH: 2943
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-207

Query Match   3.5%; Score 48.8; DB 4; Length 2943;
Best Local Similarity 50.9%; Pred. No. 0.11; Indels   0; Gaps 0;
Matches 116; Conservative   0; Mismatches 112;

Qy   912 GGGGGGCGGCGCGCCCGCCAGTGTCATCCGCAACGCGACAGCATCCACCAGCGGTCGC 971
         |||||||||||| |||||| ||||| ||| ||||||
Db 1525 GTGCGCCCCGACGCGGAACTGTGGCCCACCCGACGCTCCCAGCCCAGCGGGCCGCGC 1584

Qy   972 GGAAGCGCCTCAGCCAGGACGCCTATCGCCGCAACAGCGTCCGTTTTCTGCAGCAGCGAC 1031
         ||||| ||||||||| |||| |||||||||||
Db 1585 GGGCGCGGTCTAAAGTGGGAACCCGCGTCGGCGGCGGGCGCGGGGC 1644

Qy 1032 GCCGGCAGGGCGGCCGGGACCGCAGAGCCCGGGAGCCCGTCGAGGAGGAGGCGGCAGA 1091
         |||||| ||||||| |||||||||||
Db 1645 GGCGGCGGCGGCGGCGCCGCAGCAGCCGCAAGCCCTGGACACCGGCGGCGGGCGCAGTGGAGG 1704

Qy 1092 CGCAGCGCTCTAAACCGCCAGCCGGGCGGTGCCCCGCGGGCCGCAGCGCCG 1139
         |||||| ||||||||
Db 1705 CGGCGCCGGGGGAGCCCCGGAGCGGCAGCGGCCACCGGAGCACGG 1752

RESULT 14
US-09-710-693-18
; Sequence 18, Application US/09710693
; Patent No. 6642370
; GENERAL INFORMATION:
; APPLICANT: WISE, CAROL A
; TITLE OF INVENTION: GENETIC MARKER FOR AUTOIMMUNE DISORDER
; FILE REFERENCE: SEQ FOR TEX871
; CURRENT APPLICATION NUMBER: US/09/710,693

; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 2016
; LENGTH: 2241
; TYPE: DNA
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-2016

Query Match   3.5%; Score 48.8; DB 4; Length 2241;
Best Local Similarity 50.0%; Pred. No. 0.095; Indels   0; Gaps 0;
Matches 122; Conservative   0; Mismatches 122;

Qy   157 CTACCGGCGCTTCACCGAGATCTACGAGTTCCATAAAACCTTAAAGAAATGTTCCCTAT 216
         |||||| | ||||| |||| |||||
Db 1246 CCACTGGCCGAACGCCGAAACCTACGAATGGGACGTCCCGGCGGAAGAGCTGTTGCGCAG 1187

Qy   217 TGAGGCAGGGGCGGATCAATCCAGAGAACAGAGATCATCCCCACCTCCCAGCTCCCAAGTG 276
         ||||| |||| ||||||
Db 1186 GGACTACCTGCGCATCAGCCACGACGCAGGAGCAGATCGGCGACCGCCAGACCTTCGCCTT 1127

Qy   277 GTTTGACGGGCAGCGGCCGCCGAGAACCGCCAGGGCACACTTACCGAGTACTGCAGCAC 336
         ||| ||| |||||| ||||
Db 1126 CCAGCACGCCCTGTTCGGCCTCGACAGCCGCCAGTTGCGGCGCCGAGTACAACCGCAT 1067

Qy   337 GCTCATGAGCCTGCCCACCAAGATCTCCCGCTGTCCCCACTCCTCGACTTCTTCAAGGT 396
         |||| |||||| |||||||
Db 1066 CCGCTTCCGCCTGACCAACAACACATATCGCCCTATACCGATGTCGGCGGCGGCGACTACATCGA 1007

Qy   397 GCGC 400
         ||||
Db 1006 CCCC 1003

RESULT 12
US-09-252-991A-1856
; Sequence 1856, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 1856
; LENGTH: 2247
; TYPE: DNA
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-1856

Query Match   3.5%; Score 48.8; DB 4; Length 2247;
Best Local Similarity 50.0%; Pred. No. 0.095; Indels   0; Gaps 0;
Matches 122; Conservative   0; Mismatches 122;

Qy   157 CTACCGGCGCTTCACCGAGATCTACGAGTTCCATAAAACCTTAAAGAAATGTTCCCTAT 216
         |||||| | ||||| |||| |||||
Db 1177 CCACTGGCCGAACGCCGAAACCTACGAATGGGACGTCCCGGCGGAAGAGCTGTTGCGCAG 1236

```
Qy     639 AGCGAGGCTGGATCCCAGCGTCCTTCCTCGAGCCCCT 675
           |||||| |||| || |||| ||||| ||| ||||||
Db    1593 AGCGTGGCTTCGTCCCTGGTTCCTACCTGGAGAAGCT 1629
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Search completed: April 25, 2005, 08:51:21
Job time : 276 secs

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; CURRENT FILING DATE:   2000-11-08
; NUMBER OF SEQ ID NOS:   19
; SOFTWARE:   PatentIn Ver. 2.1
; SEQ ID NO 18
;   LENGTH: 1428
;   TYPE: DNA
;   ORGANISM: Homo sapiens
;   FEATURE:
;   NAME/KEY: CDS
;   LOCATION: (1)..(1248)
US-09-710-693-18

Query Match            3.5%;  Score 47.8; DB 4; Length 1428;
Best Local Similarity  54.4%;  Pred. No. 0.14;
Matches  118;  Conservative   0;  Mismatches  97;  Indels   2;  Gaps   1;

Qy     459 TGCCCAAAGATGGCAAGAGTACCGGCGACAGACATCACCGGCCCCATCATCCTGCAGACGT 518
           ||| || ||  ||||  | | ||||     ||  | |||||   ||||| |||||||||
Db    1033 TACACAGCCATCGCAGTGCAGGAGATACAGGGAAACCCGGCCTCACCGGCC--CAGGAGT 1090

Qy     519 ACCGGCGCCATTGCCAACTACGAGAAGACCTCGGCGTCCGAGATGGCTCTGTCCACGGGGG 578
           || | ||  |       | | ||| |   || |||| ||   ||  | | ||||| ||||
Db    1091 ACCGGGCGCTCTACGATTATACAGCGCAGAACCCAGATGAGCTGGACCTGTCCGCGGGAG 1150

Qy     579 ACGTGGTGGAGGTCGTAGAGAAGAGCGAGAGCCGTTGGTTCTGTCAGATGAAAGCAA 638
           | || || ||||| | | | ||||| ||||  || ||||  ||||| || |||| ||
Db    1151 ACATCCTGGAGGTGATCCTGGAAGGGAGGAGGATGGCTGTGGACTGTGGAGAGGAACGGGC 1210

Qy     639 AGCGAGGCTGGATCCCAGCGTCCTTCCTCGAGCCCCT 675
           |||||| |||| || |||| || |
Db    1211 AGCGTGGCTTCGTCCCTGGTTCCTACCTGGAGAAGCT 1247
```

RESULT 15
US-09-006-428A-18
; Sequence 18, Application US/09006428A
; Patent No. 644439
; GENERAL INFORMATION:
;   APPLICANT: Jing Li
;   APPLICANT: Kazuhisa Nishizawa
;   APPLICANT: Wenqian An
;   APPLICANT: Ellis L. Reinherz
;   TITLE OF INVENTION: CLONING AND CHARACTERIZATION OF A
;   TITLE OF INVENTION: cdc15-LIKE ADAPTOR PROTEIN (CD2BP1)
;   FILE REFERENCE: 1062.1020-000
;   CURRENT APPLICATION NUMBER: US/09/006,428A
;   CURRENT FILING DATE: 1998-01-13
;   NUMBER OF SEQ ID NOS: 28
;   SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 18
;   LENGTH: 1803
;   TYPE: DNA
;   ORGANISM: Homo sapiens
;   FEATURE:
;   NAME/KEY: CDS
;   LOCATION: (440)...(1630)
US-09-006-428A-18

Query Match   3.5%; Score 47.8; DB 3; Length 1803;
Best Local Similarity 54.4%; Pred. No. 0.15;
Matches 118; Conservative   0; Mismatches 97; Indels   2; Gaps   1;

Qy   459 TGCCCAAAGATGGCAAGAGTACCGGCGACAGACATCACCGGCCCCATCATCCTGCAGACGT 518
           ||| || || |||| | | |||| || | ||||| ||||| |||||||||
Db   1415 TACACAGCCATCGCAGTGCAGGAGATACAGGGAGATACAGGGAAACCCGGCCTCACCGGCC--CAGGAGT 1472

Qy   519 ACCGGCGCCATTGCCAACTACGAGAAGACCTCGGCGTCCGAGATGGCTCTGTCCACGGGGG 578
           || | || | | | ||| | || |||| || || | | ||||| ||||
Db   1473 ACCGGGCGCTCTACGATTATACAGCGCAGAACCCAGATGAGCTGGACCTGTCCGCGGGAG 1532

Qy   579 ACGTGGTGGAGGTCGTAGAGAAGAGCGAGAGCCGTTGGTTCTGTCAGATGAAAGCAA 638
           | || || ||||| | | | ||||| |||| || |||| ||||| || |||| ||
Db   1533 ACATCCTGGAGGTGATCCTGGAAGGGAGGAGGATGGCTGTGGACTGTGGAGAGGAACGGGC 1592
```